

April 24, 2002

**VIA FEDERAL EXPRESS**

Ms. Carol Ropski  
U.S. Environmental Protection Agency  
Emergency Enforcement & Support Section, SE-SJ  
77 West Jackson Boulevard  
Chicago, IL 60604-3590

**Re: Downers Grove Groundwater Site (the "Site")  
Information Request, dated March 29, 2002**

Dear Ms. Ropski:

We represent Flexible Steel Lacing Company ("Flexco") in connection with the Information Request issued to Flexco by U.S. EPA on March 29, 2002. Enclosed is Flexco's response to the Information Request. Please direct any further communication regarding the Information Request or the Site to the undersigned.

If you have any questions regarding Flexco's response, please call.

Sincerely,

**MICHAEL BEST & FRIEDRICH LLC**



Andrew J. Warren

AJW:mmr:cmu  
Enclosure

cc: Flexible Steel Lacing Company  
Alan I. Greene

**Response of Flexible Steel Lacing Company ("Flexco") to U.S. Environmental Protection Agency ("EPA") Request for Information, dated March 29, 2002**

*Request 1. Identify all persons consulted in the preparation of the answers to these Information Requests.*

**Response.**

Curtis A. J. Albrecht  
Industrial Engineer

David Drabek  
Engineering Manager, Special Projects

Vincent J. Korbai  
Maintenance Technical Specialist

Business Address for the above-named individuals:

Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois 60515  
630/971-0150

*Request 2. Identify all documents consulted, examined, or referred to in the preparation of the answers to these Requests, and provide copies of all such documents.*

**Response.**

*"See documents attached to subsequent responses.*

*Request 3. If you have reason to believe that there may be persons able to provide a more detailed or complete response to any Information Request or who may be able to provide additional responsive documents, identify such persons.*

**Response.**

Ralph W. Amann  
(Vice President Materials—Retired)  
N6568 Shorewood Hills Road  
Lake Mills, Wisconsin 53551

Donald L. Julen  
(Vice President Manufacturing—Retired)  
399 Quarry  
Bolingbrook, Illinois 60440

*Request 4. Have you conducted any Phase I or Phase II investigations at your property? If so, please send copies of all reports including the analytical data.*

Response.

No.

*Request 5. Are there any monitoring wells on your property? If so, provide a map and the analytical results related to the samples that were collected. Identify the entity that installed the monitoring wells and the date(s) of the well installation.*

Response.

No.

*Request 6. Have any soil borings been collected on your property? If so, send a map and analytical results related to the borings that were collected. Identify the entity that performed the soil borings and the date(s) in which they were taken.*

Response.

In connection with the initial construction and subsequent phases of expansion that have occurred at the Facility since 1966, Flexco has performed geotechnical testing of soils for construction purposes. The testing did not include any analysis of chemical parameters. See attached Document Nos. 12-001 to 12-019 (1967 construction), 12-020 to 12-024 (1970 expansion), 12-025 to 12-027 (1972 lawn installation), and 12-028 to 12-068 (1982 expansion).

*Request 7. Have there ever been above ground or below ground storage tanks at your facility? If so, provide maps of the locations of the tanks. What was stored in each tank? If the tanks have been removed or replaced provide the date(s) of their removal or replacement. Provide copies of any analytical results of the contents of the tanks and analytical results of any samples taken of the soil surrounding or below the tanks.*

Response.

There have never been any underground storage tanks at the Facility. From 1977 to 1992, Flexco utilized a 250-gallon-capacity above-ground storage tank for storage of virgin trichlorethylene used in the vapor degreaser (discussed below). The storage tank was located inside the Facility adjacent to the vapor degreaser, as shown on Document No. 08-001 attached hereto (former location of solvent holding tank shown in southwest portion of the building). The tank was located within a 1.5 to 2.0 foot high concrete bermed area and was underlain by the concrete floor of the Facility. The tank was plumbed with hard piping to the vapor degreaser. It was removed in 1992 when the

vapor degreaser was decommissioned. Flexco has no analytical results of the tank contents or the concrete below the tank.

*Request 8. Describe your company's solvent management system (including the locations of your product and waste holding tanks, drums and containers) at your facility prior to 1980.*

Response.

From 1968 to 1992, Flexco operated a vapor degreaser to remove excess oil from bolts and nuts prior to entering the heat treat furnace. Trichlorethylene was used as the solvent in the unit, which removed oil from metal products suspended in the solvent vapor. The degreaser was installed in a concrete-lined pit (with no floor drain) which aided employee access to the unit. The degreaser was serviced by Baron Blakeslee, which delivered virgin solvent, retrieved spent solvent, and provided a storage tank for the solvent. As originally configured, virgin solvent was stored in drums next to the degreaser.

In 1977, the original unit was replaced by a new degreaser (also stored in the same concrete-lined pit), and Baron Blakeslee provided Flexco with a bulk storage tank (capacity of 250 gallons) for storage of the virgin trichlorethylene. The storage tank was located on the concrete floor near the degreaser. Flexco constructed a 1.5 to 2 foot high concrete berm around the storage tank to contain any potential spills from the tank. There was never a spill. The storage tank was plumbed with hard piping into the vapor degreaser.

Prior to 1977, spent trichlorethylene was stored in 55-gallon drums in the heat treat work area. The drums were filled, sealed and stored for recycling. Baron Blakeslee removed the drums when the virgin solvent was delivered to Flexco.

During its period of operation, Flexco used approximately five (5) drums per month of solvent in the vapor degreaser. In 1982, Baron Blakeslee installed a "cold trap solvent saver," which greatly reduced the volume of solvents used by Flexco. After installation of that component, Flexco's solvent use dropped to approximately four (4) drums per quarter, which Baron Blakeslee continued to remove.

In 1992, Flexco discontinued use of the vapor degreaser. Baron Blakeslee dismantled and removed its equipment, and all remaining spent solvents were manifested and disposed of off-site. Approximately a year or so later, the remaining vapor degreaser equipment was sold to a company in Wisconsin, which stated it was going to use the degreaser as a parts washer. The former location of the unit was cleaned and filled with concrete. As part of a subsequent remodeling, the area now is used as office space. During its entire period of operation, Flexco never experienced any spills or releases of hazardous substances in connection with its use of the vapor degreaser.

*Request 9. Describe your company's waste solvent handling and disposal practices prior to 1980.*

Response.

See response to Request 8 above.

*Request 10. Provide the names of your solvent suppliers, years of service, and quantities of solvents received since you have been at this location.*

Response.

From 1968 to 1992, Flexco purchased trichlorethylene from Baron Blakeslee for use in its vapor degreaser. Pursuant to Flexco's document retention practice, records prior to 1998 have generally not been maintained. See response to Request 8 above for quantity estimates of solvents used in the vapor degreaser.

*Request 11. Provide the names of your waste solvent handlers, years of service, and quantities of waste shipped since you have been in service at this location.*

Response.

From 1968 to 1992, Baron Blakeslee handled the trichlorethylene used in Flexco's vapor degreaser. Pursuant to Flexco's document retention practice, records prior to 1998 have generally not been maintained; however, hazardous waste manifests for disposal of spent trichlorethylene by Baron Blakeslee at off-site licensed facilities are attached hereto as Document Nos. FSL-001 to FSL-065. See response to Request 8 above for quantity estimates of solvents used in the vapor degreaser.

*Request 12. Provide drawings or diagrams of your sanitary and storm water sewer system at your facility.*

Response.

See attached Document No. 12-001.

*Request 13. Provide a copy of all correspondence between yourself and each unit of local government regarding discharges into St. Joseph Creek and the municipal sewer.*

Response.

See attached Document Nos. 11-003 to 11-037, which includes reports submitted to the Downers Grove Sanitary District. Flexco has no information regarding any discharges to St. Joseph Creek.

*Request 14. Describe the function of any floor drains at the facility. Provide a map of each floor drain location. Describe where the floor drains and associated piping drain to.*

**Response.**

See attached Document Nos. 14-001 and 14-002. The site plan (14-001) shows the overall layout of the Facility's utilities. The second plan (14-002) shows the interior floor drains in more detail. All floor drains are connected to the storm sewer system. Over time, Flexco has gradually sealed many of the floor drains at the Facility.

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SOIL REPORT

PROPOSED INDUSTRIAL BUILDING  
WISCONSIN & KATRINE AVENUES  
DOWNERS GROVE, ILLINOIS

# SOIL TESTING SERVICES, INC.

*Soil Testing Services Inc.*

*IL-272-6520*

Consulting Soil and Foundation Engineers

FOUNDATION BORINGS AND TESTING  
ENGINEERING ANALYSES AND REPORTS  
CONSTRUCTION QUALITY CONTROL  
INSPECTION DESIGN

**SOIL TESTING SERVICES, INC.**  
111 PFINGSTEN ROAD NORTHBROOK, ILL. 60062

JOHN P. GNAEDINGER  
CLYDE N. BAKER, JR.  
LOUIS K. WALTER, JR.

MARCH 14, 1966

ADDRESS REPLY TO:  
P.O. Box 284  
NORTHBROOK, ILL. 60062

FLEXIBLE STEEL LACING COMPANY  
4607 WEST LEXINGTON AVENUE  
CHICAGO, ILLINOIS

ATTENTION: MR. FRANK McCOMB

STS Job No. 10222

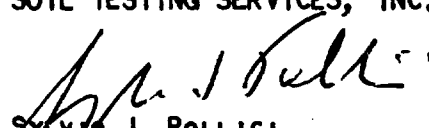
RE: SUBSURFACE INVESTIGATION FOR A PROPOSED ONE STORY INDUSTRIAL BUILDING TO  
BE LOCATED BETWEEN WISCONSIN AND ELMORE AVENUES AND JUST EAST OF KATRINE  
AVENUE IN DOWNERS GROVE, ILLINOIS.

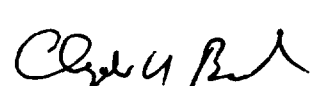
GENTLEMEN:

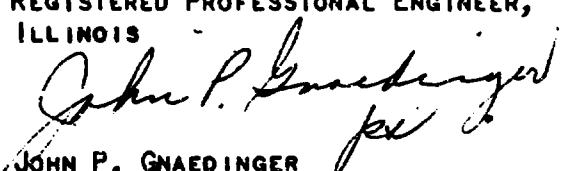
WE ARE SUBMITTING, HERewith, THE RESULTS OF THE SUBSURFACE INVESTIGATION  
AT THE ABOVE SITE. IF THERE ARE ANY QUESTIONS WITH REGARD TO THE RESULTS  
OR IF WE CAN BE OF FURTHER SERVICE TO YOU IN ANY WAY, PLEASE DO NOT HESITATE  
TO CONTACT US.

YOURS VERY TRULY,

SOIL TESTING SERVICES, INC.

  
SYLVIO J. POLLICI  
PROJECT ENGINEER

  
CLYDE N. BAKER, JR.  
REGISTERED PROFESSIONAL ENGINEER,  
ILLINOIS

  
JOHN P. GNAEDINGER  
REGISTERED STRUCTURAL ENGINEER,  
ILLINOIS

SJP: CP

## INTRODUCTION

THE SUBSURFACE INVESTIGATION FOR THE PROPOSED INDUSTRIAL BUILDING TO BE LOCATED BETWEEN WISCONSIN AND ELMORE AVENUES AND EAST OF KATRINE AVENUE IN DOWNERS GROVE, ILLINOIS HAS BEEN COMPLETED. A TOTAL OF FIVE SOIL BORINGS WERE PERFORMED AT THE SITE AND THE RESULTS OF THESE BORINGS ALONG WITH A BORING LOCATION DIAGRAM ARE INCLUDED IN THE APPENDIX OF THIS REPORT.

IT IS OUR UNDERSTANDING THAT THE PROPOSED STRUCTURE WILL BE ONE STORY HIGH WITHOUT BASEMENT AND ONLY RELATIVELY LIGHT STRUCTURAL LOADS ARE INVOLVED. HOWEVER, IT IS OUR UNDERSTANDING THAT RELATIVELY HEAVY LOADS ARE ANTICIPATED OVER THE FLOOR SLAB WHICH MAY BE AS HIGH AS 2000 POUNDS PER SQUARE FOOT OVER SIZABLE AREAS.

THE PURPOSE OF THIS REPORT IS TO DESCRIBE THE SOIL CONDITIONS ENCOUNTERED IN THE BORINGS, TO ANALYZE THE TEST DATA AND TO MAKE RECOMMENDATIONS REGARDING FOUNDATION TYPES AND CONSTRUCTION PROCEDURES.

## SUBSURFACE INVESTIGATION PROCEDURES

THE SOIL BORINGS WERE PERFORMED WITH A JOY MODEL 12 ROTARY TYPE DRILLING RIG AND THE BORE HOLES WERE ADVANCED BY MEANS OF VARIOUS CUTTING BITS AND WASH WATER.

THE REPRESENTATIVE SOIL SAMPLES WERE OBTAINED BY MEANS OF THE SHELBY TUBE SAMPLING PROCEDURES IN ACCORDANCE WITH ASTM SPECIFICATION D-1587-63T (SEE APPENDIX). IN THIS PROCEDURE, THIN WALL STEEL SEAMLESS TUBES WITH SHARP CUTTING EDGES WERE PUSHED HYDRAULICALLY INTO THE SOIL AND RELATIVELY UNDISTURBED SAMPLES OBTAINED. THE SHELBY TUBES WERE IDENTIFIED IN THE FIELD, SEALED WITH RUBBER CAPS AND WERE TAKEN TO OUR LABORATORY FOR FURTHER EXAMINATION AND TESTING.

## TESTING PROGRAM

THE TESTING PROGRAM CONSISTED OF PERFORMING UNCONFINED COMPRESSION, WATER CONTENT AND DENSITY TESTS UPON REPRESENTATIVE AND UNDISTURBED PORTIONS OF THE SAMPLES TAKEN FROM THE SHELBY TUBES. IN THE UNCONFINED COMPRESSION TEST, THE

UNCONFINED COMPRESSIVE STRENGTH OF THE SOIL IS OBTAINED BY LOADING AXIALLY A TRIMMED SOIL SAMPLE WHICH IS UNSUPPORTED Laterally AND UNDER A SLOW AND APPROXIMATELY CONSTANT STRAIN UNTIL FAILURE IS OBTAINED WHICH IS TAKEN AS THE STRESS AT THE MAXIMUM AXIAL LOAD OR THE STRESS AT 20% STRAIN. WHERE THE RECOVERY FOR THE PERFORMANCE OF THE UNCONFINED COMPRESSION TEST WAS INSUFFICIENT, AND THE SAMPLE ESSENTIALLY COHESIVE, A PENETROMETER TEST WAS PERFORMED. THE PENETROMETER TEST IS A TEST IN WHICH THE UNCONFINED COMPRESSIVE STRENGTH OF THE SOIL CAN BE ESTIMATED BY THE RESISTANCE OF THE SOIL SAMPLE TO THE PENETRATION OF A SMALL SPRING CALIBRATED CYLINDER. ALL LABORATORY TEST DATA IS NOTED ON THE SOIL BORING LOGS.

UPON COMPLETION OF THE TESTING PROGRAM EACH SOIL SAMPLE WAS CLASSIFIED ON THE BASIS OF TEXTURE AND PLASTICITY IN ACCORDANCE WITH THE UNIFIED SOIL CLASSIFICATION SYSTEM. THE APPROPRIATE GROUP SYMBOL ACCORDING TO THE UNIFIED SYSTEM IS INCLUDED IN PARENTHESES FOLLOWING THE VISUAL SOIL DESCRIPTION ON THE BORING LOGS. A BRIEF EXPLANATION OF THE UNIFIED SOIL SYSTEM OF CLASSIFICATION IS INCLUDED IN THE APPENDIX OF THIS REPORT.

#### SOIL CONDITIONS

MOST OF THE SOIL BORINGS INDICATE NO TOPSOIL AT THE SURFACE EXCEPT AT THE SOUTHEAST CORNER OF THE AREA WHERE BORING 5 INDICATES APPROXIMATELY 1' OF TOPSOIL.

THE MOST PREDOMINANT SOIL TEXTURE MAPPED IN THE PROFILES IS A SILTY CLAY TILL WHICH CONTAINS TRACES OF SAND AND GRAVEL. THE BORINGS THAT WERE PERFORMED ALONG THE SOUTHERN BOUNDARY OF THE PROPERTY AND ALSO THE BORING PERFORMED WITHIN THE CENTER INDICATE THAT THE SILTY CLAY IS OF A CONSISTENCY BETWEEN VERY TOUGH AND HARD TO THE MAXIMUM DEPTH OF THE BORINGS. AT THE LOCATION OF BORINGS 2 AND 3 WHICH WERE PERFORMED ALONG THE NORTHERN BOUNDARY OF THE PROPERTY, THE BORINGS INDICATE THAT THE SILTY CLAY SOIL OBTAINED BETWEEN THE SURFACE AND A DEPTH OF APPROXIMATELY 4' HAS A STIFF TO TOUGH CONSISTENCY AND

WATER CONTENTS GENERALLY IN EXCESS OF 20% BY DRY WEIGHT. HOWEVER, THE CONSISTENCY AT DEPTHS IN EXCESS OF 4' ARE SIMILAR TO THOSE INDICATED AT THE SAME LEVEL IN THE BORINGS PREVIOUSLY DESCRIBED. ALSO, A RELATIVELY THIN CLAYEY SILTY STRATUM IS INDICATED BETWEEN THE DEPTH RANGE OF 4' AND 5' BELOW SURFACE AT THE LOCATION OF BORING 2.

BORING 1 WHICH WAS PERFORMED TO A DEPTH OF 27' INDICATES A HARD CLAYEY SILT AT APPROXIMATELY A DEPTH OF 18' AND AGAIN SILTY CLAY OF A VERY TOUGH CONSISTENCY AT APPROXIMATELY A DEPTH OF 24' AND THIS SILTY CLAY TEXTURE AND CONSISTENCY PREVAILS TO THE END OF THIS BORING.

#### GROUND WATER TABLE CONDITIONS

THE GROUND WATER TABLE COULD NOT BE MEASURED DURING THE BORING OPERATIONS BECAUSE OF THE RELATIVELY IMPERVIOUSNESS OF THE DEPOSITS ENCOUNTERED.

BASED ON A VISUAL INSPECTION OF THE SOIL SAMPLES WE ESTIMATE THAT THE CONTINUOUS GROUND WATER TABLE IS LOCATED AT A DEPTH IN EXCESS OF 13' BELOW SURFACE AND AT APPROXIMATELY THE LEVEL OF TRANSITION BETWEEN THE BROWN GRAY AND TOTALLY GRAY SILTY CLAY SOILS. SOME GROUND WATER ALSO MAY BE PRESENT IN A PERCHED STATE WITHIN RELATIVELY PERVIOUS SEAMS OF CLAYEY SILTY SANDS AND SILTY SANDS AT LEVELS ABOVE A DEPTH OF 13'. THE BORINGS INDICATE THAT THE OCCURRENCE OF SUCH AQUIFERS SHOULD BE VERY LIMITED.

THE GROUND WATER TABLE IS EXPECTED TO OSCILLATE SLIGHTLY DURING THE YEAR ACCORDING TO THE AMOUNT OF PRECIPITATION AND SURFACE RUNOFF.

#### ANALYSIS AND RECOMMENDATIONS

IN VIEW OF THE CONDITIONS ENCOUNTERED AND THE TYPE OF STRUCTURE CONTEMPLATED WE RECOMMEND THAT THE STRUCTURE BE SUPPORTED ON A SPREAD FOOTING TYPE OF FOUNDATION. THE FOOTINGS SHOULD BE PLACED ON OR IN THE BROWN AND GRAY SILTY CLAY OF A VERY TOUGH TO HARD CONSISTENCY WHICH ARE INDICATED AT LEVELS VARYING FROM 2' TO 4' BELOW THE SURFACE. AT THESE LEVELS THE FOOTINGS SHOULD BE DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE NOT TO EXCEED 4000 POUNDS

PER SQUARE FOOT. THE NET ALLOWABLE SOIL BEARING PRESSURE REFERS TO THE PRESSURE WHICH CAN BE TRANSMITTED AT THE BOTTOM OF THE FOOTINGS IN EXCESS OF THE FINAL MINIMUM SURROUNDING OVERBURDEN PRESSURE. SPECIFICALLY, THE DESIRABLE BEARING SOIL CAN BE FOUND AT A DEPTH OF 2' AT THE LOCATION OF BORINGS 1, 4 AND 5 AND AT APPROXIMATELY A DEPTH OF 4' AT THE LOCATION OF BORINGS 2 AND 3. THE EXTERIOR FOOTINGS FOR THE STRUCTURE SHOULD BE PLACED AT A MINIMUM DEPTH OF 4' BELOW OUTSIDE GRADE IN ORDER TO ASSURE SUFFICIENT PROTECTION AGAINST THE EFFECTS OF FROST PENETRATION.

NO CONSTRUCTION PROBLEMS ARE ANTICIPATED FOR A SPREAD FOOTING FOUNDATION. HOWEVER, WHEREVER SOIL CONDITIONS AS INDICATED AT A DEPTH OF 4' AT THE LOCATION OF BORING 2 PREVAIL, THIS SLIGHTLY COHESIVE MATERIAL MAY BECOME SPONGY UPON EXPOSURE. IF SUCH A CONDITION OCCURS WE RECOMMEND THAT THE FOOTINGS BE EXTENDED TO THE UNDERLYING SILTY CLAY SOILS OR BE PLACED OVER A COMPACTED GRANULAR BASE RAISED TO THE DESIRED FOOTING GRADE.

AS AN ALTERNATIVE SOLUTION TO A FOOTING FOUNDATION IT IS POSSIBLE TO SUPPORT THE STRUCTURE ON RELATIVELY SHALLOW CAISSONS. THE BORINGS INDICATE THAT FOR CAISSONS PLACED AT A DEPTH OF APPROXIMATELY 10' BELOW EXISTING GROUND SURFACE, THEY CAN BE DESIGNED FOR A NET ALLOWABLE SOIL BEARING PRESSURE NOT TO EXCEED 8000 POUNDS PER SQUARE FOOT.

WE RECOMMEND THAT THE FOUNDATION EXCAVATIONS BE INSPECTED BY A QUALIFIED SOIL ENGINEER IN ORDER TO ASSURE THAT THE SOIL CONDITIONS ENCOUNTERED ARE AS ANTICIPATED IN THE DESIGN.

REGARDING THE SLAB ON GRADE, IT IS OUR UNDERSTANDING THAT FLOOR LOADS UP TO 2000 POUNDS PER SQUARE FOOT MAY BE EXPECTED. IT IS RECOMMENDED THAT ANY TOPSOIL AS WELL AS ANY HIGH WATER CONTENT COMPRESSIBLE SILTY CLAY WHICH MAY BE ENCOUNTERED IMMEDIATELY UNDER THE TOPSOIL BE REMOVED AND REPLACED, IF NECESSARY, BY A FILL PROPERLY COMPACTED. THE FILL MATERIAL SHOULD BE FREE OF

ORGANIC MATTER AND DEBRIS AND SHOULD BE PLACED IN LIFTS NOT TO EXCEED 9" IN  
LOOSE THICKNESS. THE FILL SHOULD BE COMPACTED TO A MINIMUM OF 90% OF ASTM  
D-1557-58T FOR CLAYEY FILLS OR A MINIMUM OF 60% RELATIVE DENSITY IN ACCORDANCE  
WITH ASTM DESIGNATION D-2049-64T FOR GRANULAR FILL, UNTIL FLOOR SLAB GRADE  
IS ATTAINED FOR AREAS WITH FLOOR LOADINGS LESS THAN 500 PSF. IN AREAS WHERE  
THE FLOOR SLAB LOAD WILL EXCEED 500 POUNDS PER SQUARE FOOT OR WHERE BEARING  
WALLS WILL BE TRANSMITTED DIRECTLY TO THE FLOOR SLAB WE RECOMMEND THAT THE  
FILL MATERIAL BE COMPACTED TO A MINIMUM OF 95% OF ASTM D-1557-58T DENSITY OR  
A MINIMUM OF 75% RELATIVE DENSITY. ANY STRIPPING OR COMPACTION OPERATIONS  
SHOULD BE INSPECTED BY A QUALIFIED SOIL ENGINEER AND WE RECOMMEND THAT EACH  
LIFT BE TESTED AND APPROVED BY THE SOIL ENGINEER PRIOR TO THE PLACEMENT OF  
SUBSEQUENT LIFTS.

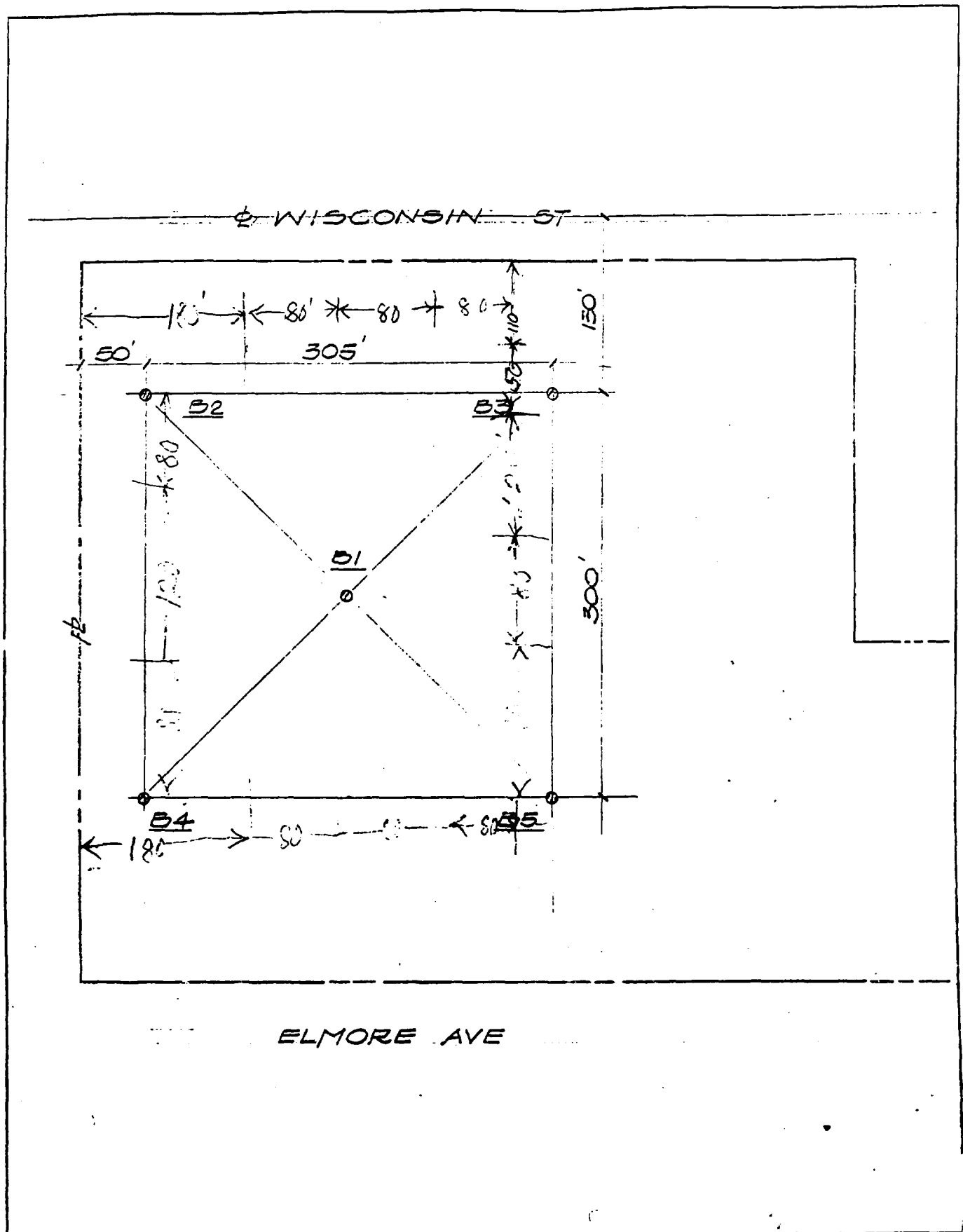
REGARDING THE SLAB DESIGN, WE RECOMMEND THAT THE SLAB BE REINFORCED BOTH  
AT THE TOP AND BOTTOM WITHIN THE HEAVILY LOADED AREA AND POURING BE DONE  
INDEPENDENTLY OF THE FOUNDATION WALL. A SUGGESTED DESIGN IS 8" THICK WITH  
6 x 6 #4 MESH TOP AND BOTTOM.

IF YOU WISH, WE WOULD WELCOME THE OPPORTUNITY TO PROVIDE THE FIELD  
ENGINEERING INSPECTION SERVICE AND TO REVIEW THE PLANS AND SPECIFICATIONS  
AFTER THEY ARE PREPARED FOR THE PROJECT SO THAT WE MIGHT HAVE AN OPPORTUNITY  
OF COMMENTING UPON THE EFFECTS OF THE SOIL CONDITIONS ON THE DESIGN AND  
SPECIFICATIONS.

*Mr. Lou Walter  
Soil Testing Engineer*

## APPENDIX

1. LOCATION DIAGRAM
2. GENERAL NOTES
3. BORING LOGS
4. ASTM SPECIFICATION D-1587-63T
5. UNIFIED SOIL CLASSIFICATION SYSTEM
6. GENERAL PROPERTIES OF VARIOUS SOIL TYPES



<p>SOIL BORING LOCATION DIAGRAM          PROPOSED 1-STY INDUSTR. BLDG          FLEXIBLE STEEL LACING CO          DOWNERS GROVE ILLINOIS</p>		<p>SOIL TESTING SERVICES, INC.          111 PFINGSTEN ROAD          NORTHBROOK ILLINOIS</p> <table border="1"> <tr> <td>MP</td> <td>SJP</td> <td>3.10.66</td> <td>10222</td> </tr> </table>	MP	SJP	3.10.66	10222
MP	SJP	3.10.66	10222			

## GENERAL NOTES

1950 Chicago Building Code Soil Classifications are Used Except Where Noted

### DRILLING & SAMPLING SYMBOLS

SS : Split-Spoon - 1 3/8" I.D., 2" O.D., except where noted  
ST : Shelby Tube - 2" O.D., except where noted  
PA : Power Auger Sample  
DB : Diamond Bit - NX: BX: AX:  
CB : Carboloy Bit - NX: BX: AX:  
OS : Osterberg Sampler - 3" Shelby Tube  
HS : Housel Sampler  
WS : Wash Sample  
FT : Fish Tail  
RB : Rock Bit  
WO : Wash Out

Standard "N" Penetration: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch OD split spoon, except where noted.

### WATER LEVEL MEASUREMENT SYMBOLS

WL : Water Level  
WCI : Wet Cave In  
DCI : Dry Cave In  
WS : While Sampling  
WD : While Drilling  
BCR : Before Casing Removal  
ACR : After Casing Removal  
AB : After Boring

Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In pervious soils, the indicated elevations are considered reliable ground water levels. In impervious soils, the accurate determination of ground water elevations is not possible in even several days observation, and additional evidence on ground water elevations must be sought.

### CLASSIFICATION

#### COHESIONLESS SOILS

"Trace"	:	1% to 10%	
"Trace to some"	:	10% to 20%	
"Some"	:	20% to 35%	
"And"	:	35% to 50%	
Loose	:	0 to 9 Blows	
Medium Dense	:	10 to 29 Blows	} or equivalent
Dense	:	30 to 59 Blows	
Very Dense	:	≥ 60 Blows	

#### COHESIVE SOILS

If clay content is sufficient so that clay dominates soil properties, then clay becomes the principle noun with the other major soil constituent as modifier; i.e., silty clay. Other minor soil constituents may be added according to classification breakdown for cohesionless soils; i.e., silty clay, trace to some sand, trace gravel.

Soft	:	0.00 — 0.59 tons/ft <sup>2</sup>
Stiff	:	0.60 — 0.99 tons/ft <sup>2</sup>
Tough	:	1.00 — 1.99 tons/ft <sup>2</sup>
Very tough	:	2.00 — 3.99 tons/ft <sup>2</sup>
Hard	:	≥ 4.00 tons/ft <sup>2</sup>

62 + 3

**GENERAL NOTES**

**STS**

**SOIL TESTING SERVICES, INC.**  
111 PFINGSTEN ROAD  
NORTHBROOK ILLINOIS

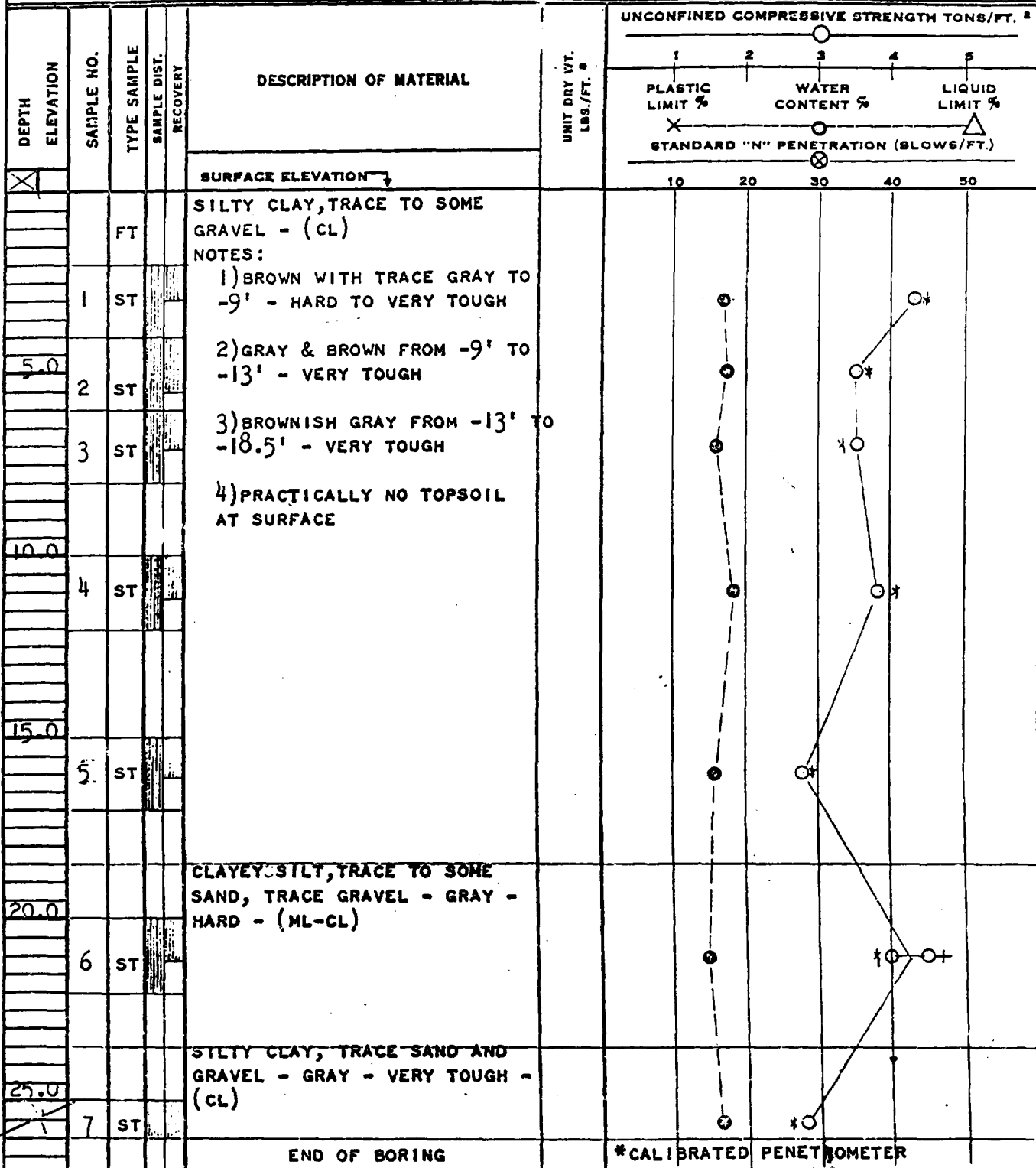
# LOG OF BORING NO. 8 - 1

OWNER  
FLEXIBLE STEEL LACING CO.

ARCHITECT-ENGINEER

SITE WISCONSIN AND KATRINE AVENUES  
DOWNERS GROVE, ILL.

PROJECT NAME  
PROPOSED 1-STORY INDUS. BLDG.



## WATER LEVEL OBSERVATIONS

W.L.	W.S. OR W.D.	
W.L.	B.C.R.	A.C.R.
W.L.		

## SOIL TESTING SERVICES

INC.

111 PFINGSTEN ROAD  
NORTHBROOK, ILLINOIS

BORING STARTED

2/21/66

BORING COMPLETED

2/21/66

RIG 61

FOREMAN WEBER

DRAWN M?

APPROVED SJP

JOB # 10222

SHEET 1 OF 1

LOG OF BORING NO. 8 - 2									
OWNER FLEXIBLE STEEL LACING CO.					ARCHITECT-ENGINEER				
SITE WISCONSIN AND KATRINE AVENUES DOWNERS GROVE, ILL.					PROJECT NAME PROPOSED 1-STORY INDUS. BLDG.				
DEPTH	ELEVATION	SAMPLE NO.	TYPE SAMPLE	SAMPLE DIST.	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. 3	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. 2	
								<div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>PLASTIC LIMIT %</span><span>WATER CONTENT %</span><span>LIQUID LIMIT %</span> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>X</span><span>○</span><span>△</span> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>STANDARD "N" PENETRATION (BLOWS/FT.)</span> </div> <div style="display: flex; justify-content: space-between; font-size: 0.8em;"> <span>10</span><span>20</span><span>30</span><span>40</span><span>50</span> </div>	
X						SURFACE ELEVATION →			
			FT			SILTY CLAY, TRACE SAND AND GRAVEL - BROWN & GRAY - STIFF (CL)	94		
5.0		1	ST						
		2	ST			NOTE A SILTY CLAY, TRACE SAND AND GRAVEL - (CL)			
		2A				NOTES: 1) BROWN AND GRAY FROM -5' TO -13' - VERY TOUGH TO HARD			
		3	ST			2) BROWNISH GRAY FROM -13' TO -17' - VERY TOUGH			
10.0		4	ST						
15.0		5	ST						
17.0						END OF BORING		*CALIBRATED PENETROMETER	
						NOTE A: CLAYEY SILTY SAND, TRACE TO SOME FINE GRAVEL - BROWN - MEDIUM DENSE - (SC)			

WATER LEVEL OBSERVATIONS			<b>SOIL TESTING SERVICES</b> INC. 111 PFINGSTEN ROAD NORTHBROOK, ILLINOIS		BORING STARTED 2/21/66	
W.L.	W.S. OR W.D.				BORING COMPLETED 2/21/66	
W.L.	P.C.R.	A.C.R.			RIG 61	FOREMAN WEBER
W.L.					DRAWN MP	APPROVED SJP
					JOB # 10222	SHEET 1 OF 1

LOG OF BORING NO. B - 3									
OWNER FLEXIBLE STEEL LACING CO.					ARCHITECT-ENGINEER				
SITE WISCONSIN AND KATRINE AVENUES DOWNERS GROVE, ILL.					PROJECT NAME PROPOSED 1-STORY INDUS. BLDG.				
DEPTH ELEVATION	SAMPLE NO.	TYPE SAMPLE	SAMPLE DIST. RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. 3	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. 2			
						<div style="display: flex; justify-content: space-around; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div> <div style="display: flex; justify-content: space-around; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>PLASTIC LIMIT %</span><span>WATER CONTENT %</span><span>LIQUID LIMIT %</span> </div> <div style="display: flex; justify-content: space-around; border-bottom: 1px solid black;"> <span>STANDARD "N" PENETRATION (BLOWS/FT.)</span> </div>			
X				SURFACE ELEVATION →		<div style="display: flex; justify-content: space-around; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>10</span><span>20</span><span>30</span><span>40</span><span>50</span> </div>			
				SILTY CLAY, TRACE TO SOME SAND, TRACE GRAVEL - DK. BRWN TO BROWN - VERY TOUGH - (CL)					
	1	ST							
5.0	2	ST		SILTY CLAY, TRACE SAND AND GRAVEL - (CL) NOTES: 1) BROWN FROM -4' TO -9' - HARD 2) BROWN & GRAY FROM -9' TO -13' - VERY TOUGH 3) GRAY BELOW -13' - V. TOUGH					
	3	ST							
10.0	4	ST							
15.0									
17.0	5	ST							
				END OF BORING		* CALIBRATED PENETROMETER			

WATER LEVEL OBSERVATIONS			<b>SOIL TESTING SERVICES</b> INC. 111 PFINGSTEN ROAD NORTHBROOK, ILLINOIS	BORING STARTED 2/21/66	
W.L.	W.S. OR W.D.			BORING COMPLETED 2/21/66	
W.L.	B.C.R.	A.C.R.		RIG 61	FOREMAN WEBER
W.L.				DRAWN MP	APPROVED SJP
				JOB # 10222	SHEET 1 OF 1

LOG OF BORING NO. 8 - 4									
OWNER FLEXIBLE STEEL LACING CO.					ARCHITECT-ENGINEER				
SITE WISCONSIN AND KATRINE AVENUES DOWNERS GROVE, ILL.					PROJECT NAME PROPOSED 1-STORY INDUS. BLDG.				
DEPTH ELEVATION	SAMPLE NO.	TYPE SAMPLE	SAMPLE DIST.	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. 3	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. 2		
							<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>1</span><span>2</span><span>3</span><span>4</span><span>5</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>PLASTIC LIMIT %</span><span>WATER CONTENT %</span><span>LIQUID LIMIT %</span> </div> <div style="display: flex; justify-content: space-between; border-bottom: 1px solid black;"> <span>X</span><span>○</span><span>△</span> </div> <div style="display: flex; justify-content: space-between; margin-top: 5px;"> <span>STANDARD "N" PENETRATION (BLOWS/FT.)</span> </div>		
X					SURFACE ELEVATION →		<div style="display: flex; justify-content: space-between; border-bottom: 1px solid black; margin-bottom: 5px;"> <span>10</span><span>20</span><span>30</span><span>40</span><span>50</span> </div>		
5.0	1	ST			SILTY CLAY, TRACE SAND AND GRAVEL - (CL) NOTES: 1) BROWN AND GRAY TO -6' - HARD  2) BROWN WITH TRACE GRAY FROM -6' TO -13' - HARD  3) GRAY BELOW -13' - VERY TOUGH				
10.0	2	ST							
15.0	3	ST							
17.0	4	ST							
17.0	5	ST							
					END OF BORING		*CALIBRATED PENETROMETER		

WATER LEVEL OBSERVATIONS	
W.L.	W.S. OR W.D.
W.L.	B.C.R.      A.C.R.
W.L.	

**SOIL TESTING SERVICES**  
 INC.  
 111 PFINGSTEN ROAD  
 NORTHBROOK, ILLINOIS

BORING STARTED 2/21/66	
BORING COMPLETED 2/21/66	
RIG 61	FOREMAN WEBER
DRAWN MP	APPROVED SJP
JOB # 10222	SHEET 1 OF 1

LOG OF BORING NO. 8 - 5									
OWNER FLEXIBLE STEEL LACING CO.					ARCHITECT-ENGINEER				
SITE WISCONSIN AND KATRINE AVENUES DOWNERS GROVE, ILL.					PROJECT NAME PROPOSED 1-STORY INDUS. BLDG.				
DEPTH ELEVATION	SAMPLE NO.	TYPE SAMPLE	SAMPLE DIST.	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT. 3	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. 2		
							1	2	3
							PLASTIC LIMIT %	WATER CONTENT %	LIQUID LIMIT %
							STANDARD "N" PENETRATION (BLOWS/FT.)		
							10	20	30
0					SURFACE ELEVATION →				
1	ST				DK. BROWN SILTY & CLAYEY TOPSOIL, TRACE ROOTS - (OL)				
1A					SILTY CLAY, TRACE SAND AND GRAVEL - (CL)				
2	ST				NOTES: 1) DK. BROWN TO BROWN FROM -1' TO -2' - TOUGH				
5.0	3	ST			2) BROWN WITH TRACE GRAY FROM -2' TO -9' - HARD TO VERY TOUGH				
	4	ST			3) BROWN AND GRAY FROM -9' TO -13' - HARD				
10.0					4) GRAY BELOW -13' - V. TOUGH				
	5	ST							
15.0									
	6	ST							
17.0					END OF BORING				
							*CALIBRATED PENETROMETER		

12\_015

# Tentative Method for THIN-WALLED TUBE SAMPLING OF SOILS<sup>1</sup>



ASTM Designation: D 1587 - 63 T

ISSUED, 1958; REVISED, 1963.<sup>2</sup>

This Tentative Method has been approved by the sponsoring committee and accepted by the Society in accordance with established procedures, for use pending adoption as standard. Suggestions for revisions should be addressed to the Society at 1916 Race St., Philadelphia 3, Pa.

## Scope

1. (a) This method of sampling of foundation soils is designed to secure relatively undisturbed samples suitable for laboratory tests. It is intended as a guide to more complete specifications to meet the needs of a particular job. It is not implied that if this method is followed, the samples are necessarily sufficiently undisturbed to be suitable for all types of laboratory tests under all field conditions.

(b) There are in general two types of samplers that use thin-walled tubes for sampling, namely, open-tube samplers, and piston samplers. In general, fixed-piston samplers are better and can be used in almost all soils. However, open-tube samplers are satisfactory for many soils. Since the thin-walled tube requirements are the same for both types of samplers, the method described applies equally to both.<sup>3</sup>

## Apparatus

2. (a) *Drilling Equipment*.—Any equipment may be used that provides a reasonably clean hole before insertion of the thin-walled tube, and does not disturb the soil to be sampled, and that can effect continuous and rapid penetration of the tube into the sampled soil.

**NOTE**.—Where casing is used, the equipment must be capable of driving and removing casing, and must include a pressure pump for clean-out operations. Where drilling fluid is used, a suitable mud pump is required. Where augers are

used for clean-out purposes, no special equipment other than that for sampling is generally required.

(b) *Thin-Walled Tubes*.—Tubes 2 to 5 in. in outside diameter and made of any materials having adequate strength and resistance to corrosion will be satisfactory (Fig. 1). Adequate resistance to corrosion can be provided by a suitable coating. Sizes other than these shall be used only by order of the person responsible for the boring program. Though these sizes do not necessarily insure undisturbed samples, tubes smaller than 2 in. are considered unsatisfactory for obtaining specimens for compression tests. Tubes shall be of such a length that between five and ten times the diameter is available for penetration into sands and between ten and fifteen diameters is available for penetration into clays. Tubes shall be reasonably round and smooth, without bumps, dents, or scratches. Seamless or welded tubes are permissible, but welds must not project at the seam. The tubes shall have a thickness not greater than No. 16 gage for tubes 3 in. and under in diameter, not greater than No. 14 gage for tubes 3 to 4½ in. in diameter, and not greater than No. 11 gage for tubes 5 in. in diameter. The cutting edge shall be machined as shown in Fig. 1. The inside clearance ratio shall be between 0.5 and 3 per cent. Small clearances are

desirable in sands; and clearances up to 3 per cent are required for good recovery in clays depending on the soil type, tube length and method of driving. Unless otherwise specified, an inside clearance ratio of 1.0 per cent shall be supplied. Two vent holes (⅛ in. minimum) shall be provided in the sampler head. A coupling head with a check valve and a

TABLE 1.—STANDARD THIN-WALLED STEEL SAMPLE TUBES.<sup>a, b, c, d</sup>

Outside diameter, in. ....	2	3	5
Wall thickness:			
Bwg. ....	18	16	11
In. ....	0.049	0.065	0.120
Tube length, in. ....	36	36	54
Clearance ratio, per cent.	1	1	1

<sup>a</sup> Tubes are designed to fit either open or piston standard thin-wall sampler heads of the Diamond Core Drill Manufacturers Assoc.

<sup>b</sup> Alternate materials, sizes, lengths, and clearances are available. Intermediate diameters should utilize intermediate thicknesses and tube lengths.

<sup>c</sup> The 2-in. OD tubes have not been standardized by the Diamond Core Drill Manufacturers Assoc., but are in such common use that they are considered standard. The 2-in. OD tubes are considered a minimum acceptable diameter for sampling, using this method. The DCDMA has standardized the 2½-in. OD, 18-gage tubing, which is considered fully acceptable for sampling using this method.

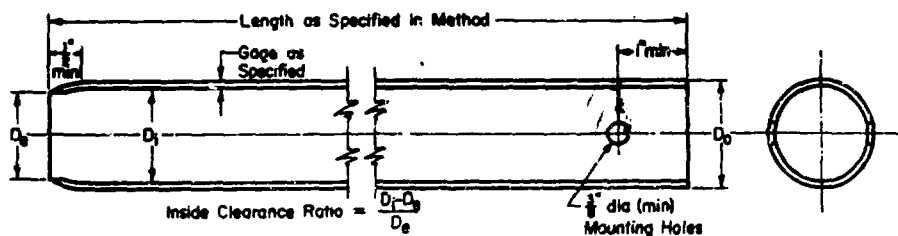
<sup>d</sup> The three diameters recommended in Table 1 are indicated for purposes of standardization, and are not intended to indicate that sampling tubes of intermediate or larger diameters are not acceptable. Frequently 2½-in. OD, and 2¾-in. OD samplers are used. It should be pointed out that the larger diameters give the least sample disturbance and provide the better samples.

<sup>1</sup> Under the standardization procedure of the Society, this method is under the jurisdiction of the ASTM Committee D-18 on Soils for Engineering Purposes.

<sup>2</sup> Revision accepted by the Society at the Annual Meeting, June, 1963.

Published first as information in the compilation of "Procedures for Testing Soils," April, 1958.

<sup>3</sup> M. J. Hyvorslev, "Subsurface Exploration and Sampling of Soils for Civil Engineering Purposes," *The Engineering Foundation*, 33 W. 39th St., New York 18, N. Y.



**NOTE**.—Minimum of 2 mounting holes on opposite sides for 2- to 3½-in. sampler. Minimum of 4 mounting holes spaced at 90 deg for samplers 4 in. and larger. Tube held with hardened screws.

FIG. 1.—Thin-Walled Tube for Sampling.

minimum of 0.6 sq in. venting to outside above check valve can be used to improve sample recovery. Tubes shall be clean, smooth, and free of rust and dirt. The cutting edges shall be sharp and free from nicks. Coating the tubes with lacquer or suitable plastic by dipping after thorough cleaning is recommended for obtaining the best possible samples. Table I shows the dimensions of suitable thin-wall sample tubes.<sup>4</sup>

(c) *Sealing Material*.—Any wax that does not have appreciable shrinkage, or does not permit evaporation from the sample, shall be permitted. Microcrystalline waxes are preferable to paraffin. Thin discs of steel or brass that are slightly smaller than the inside diameter of the tube are desirable for plugging both ends before sealing with wax. Cheesecloth and tape are needed. Suitable expanding packers may be used.

(d) *Accessory Equipment*.—Labels, data sheets, shipping containers, and other necessary supplies.

#### Procedure

3. (a) *Preparing Hole*.—Clean out the hole to sampling elevation using whatever method is preferred that will insure that the material to be sampled is not disturbed by the operation. In saturated sands and silts withdraw the drill bit slowly to prevent loosening of the soil around the hole. Where casing is used, clean out the hole to the bottom or just below. (A clean-out auger shall be used to clean the bottom of the hole when necessary.)

(b) *Obtaining Sample*.—With the sampling tube resting on the bottom of the hole and the water level in the boring at the ground-water level or above, push the tube into the soil by a continuous and rapid motion, without impact or twisting, a distance not greater than 15 diameters for cohesive soils, 10 diameters for cohesionless soils and 5 diameters in very loose soils such as loess. In

no case shall the tube be pushed further than the length provided for the soil sample. Allow about 3 in. in the tube for cuttings and sludge. The time and pressure, whenever measured, required to obtain penetration shall be noted. When the soils are so hard that a pushing motion will not penetrate the sampler sufficiently for recovery, and where recovery by pushing in sands is poor, a heavy weight may be used to drive the sampler. In such a case, the weight, height, and number of blows shall be recorded. Before pulling the tube turn it at least two revolutions to shear the sample off at the bottom. In very loose saturated sands and silts, the use of a piston sampler is often necessary to secure a suitable undisturbed sample. In intermittent sampling, the soil shall be sampled at every change in stratum and at intervals no larger than 5 ft. within continuous strata.

(c) *Preparation for Shipment*.—Upon removal of the sampler tube, measure and record the length of sample in the tube and also the length penetrated. Completely remove the disturbed material in the upper end of the tube before applying wax, and record the length of disturbed soil removed. Ream the lower end to a depth of at least 1 in. and insert an impervious disc. Seal both ends with wax applied in a way that will prevent wax from entering the sample. Where tubes are to be shipped some distance, tape the ends to prevent breakage of the seals. It is advisable to place cheesecloth around the ends after sealing and dip the ends several times in the melted wax.

(d) *Labeling and Shipping*.—Tubes shall be labelled as to job designation, boring number, sample number, depth, date, and description of the soil. Duplicate marking of the tube and boring number shall be required. Tubes shall not be permitted to freeze and shall be stored in a cool place out of the sun at all times. Tubes shall be shipped in such a way as not to cause shock and vibration or to disturb the sample in any other way. Samples shall

be shipped protected with suitable resilient packing material to reduce shock. On sands and silts it may be necessary to make volume and weight determinations in the field or to arrange for delivery by other than public carriers, since these soils are sometimes very sensitive to vibration.

(e) *Field Observations*.—Record type and size of sampler and water table information on the field logs, including ground-water level, elevations at which the drilling water was lost, or elevations at which water under excess pressure was encountered. Measure ground-water levels before and after pulling the casing, where used. In sands, determine the level as the casing is pulled and then measure at least 30 min after the casing is pulled; in silts at least 24 hr after the casing is pulled; in clays, no accurate level determination is possible unless pervious seams are present. However, the 24-hr level shall be recorded for clays. When drilling mud is used, and the water level is desired, casing perforated at the lower end shall be lowered into the hole and the hole bailed down. Determine ground-water levels after bailing at time intervals of 30 min and 24 hr after all traces of drilling mud are removed from inside the casing. Record additional water-table information where encountered.

#### Report

4. (a) Data obtained in borings shall be recorded in the field and shall include the following:

- (1) Depth of top and bottom of sample,
- (2) Drilling methods,
- (3) Method of advancing sampler,
- (4) Water data,
- (5) Casing used, and
- (6) Date.

(b) The data thus obtained shall be prepared in final form to show the nature and extent of the soil strata over the area under consideration.

<sup>4</sup>The dimensions have been adopted as standard by the Diamond Core Drill Manufacturers Assoc.

# UNIFIED SOIL CLASSIFICATION INCLUDING IDENTIFICATION AND

UNIFIED SOIL CLASSIFICATION INCLUDING IDENTIFICATION AND DESCRIPTION										
FIELD IDENTIFICATION PROCEDURES (Excluding particles larger than 3 inches and basing fractions on estimated weights)						GROUP SYMBOLS <sup>a</sup>	TYPICAL NAMES			
COARSE GRAINED SOILS  More than half of material is larger than No. 200 sieve size is the smallest particle visible to the naked eye)	GRAVELS  More than half of coarse fraction is larger than No. 4 sieve size. (For visual classifications, the 3" size may be used as equivalent to the No. 4 sieve size.)	CLEAN GRAVELS (Little or no fines)	Wide range in grain size and substantial amounts of all intermediate particle sizes.			GW	Well graded gravels, gravel-sand mixtures, little or no fines.			
			Predominantly one size or a range of sizes with some intermediate sizes missing.			GP	Poorly graded gravels, gravel-sand mixtures, little or no fines.			
		GRAVELS WITH FINES (Appreciable amount of fines)	Non-plastic fines (for identification procedures see ML below).			GM	Silty gravels, poorly graded gravel-sand-silt mixtures.			
			Plastic fines (for identification procedures see CL below).			GC	Clayey gravels; poorly graded gravel-sand-clay mixtures.			
	SANDS  More than half of coarse fraction is smaller than No. 4 sieve size. (For visual classifications, the 3" size may be used as equivalent to the No. 4 sieve size.)	CLEAN SANDS (Little or no fines)	Wide range in grain sizes and substantial amounts of all intermediate particle sizes.			SW	Well graded sands, gravelly sands; little or no fines.			
			Predominantly one size or a range of sizes with some intermediate sizes missing.			SP	Poorly graded sands, gravelly sands; little or no fines.			
		SANDS WITH FINES (Appreciable amount of fines)	Non-plastic fines (for identification procedures see ML below).			SM	Silty sands, poorly graded sand-silt mixtures.			
			Plastic fines (for identification procedures see CL below).			SC	Clayey sands, poorly graded sand-clay mixtures.			
IDENTIFICATION PROCEDURES ON FRACTION SMALLER THAN No. 40 SIEVE SIZE										
FINE GRAINED SOILS  More than half of material is smaller than No. 200 sieve size. (The No. 200 sieve size is about the smallest particle visible to the naked eye)	SILTS AND CLAYS  Liquid limit less than 50	DRY STRENGTH (CRUSHING CHARACTERISTICS)		DILATANCY (REACTION TO SHAKING)		TOUGHNESS (CONSISTENCY NEAR PLASTIC LIMIT)				
		None to slight		Quick to slow		None		ML	Inorganic silts and very fine sands, rock flour, silt or clayey fine sands with slight plasticity.	
		Medium to high		None to very slow		Medium		CL	Inorganic clays of low to medium plasticity, gravel clays, sandy clays, silty clays, lean clays.	
		Slight to medium		Slow		Slight		OL	Organic silts and organic silt-clays of low plasticity.	
	SILTS AND CLAYS  Liquid limit greater than 50	Slight to medium		Slow to none		Slight to medium		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts.	
		High to very high		None		High		CH	Inorganic clays of high plasticity, fat clays.	
		Medium to high		None to very slow		Slight to medium		OH	Organic clays of medium to high plasticity.	
	HIGHLY ORGANIC SOILS		Readily identified by color, odor, spongy feel and frequently by fibrous texture.				PT	Peat and other highly organic soils.		

<sup>a</sup> Boundary classifications: Soils possessing characteristics of two groups are designated by combinations of group symbols. For example GW-GC, w  
<sup>b</sup> All sieve sizes on this chart are U.S. standard.

FIELD IDENTIFICATION PROCEDURES FOR FINE G:  
 These procedures are to be performed on the minus No. 40 sieve size particles, is not intended; simply remove by hand the coarse particles that interfere with

DILATANCY (Reaction to shaking)

DRY STRENGTH (Crushing characteristics)

TYPICAL NAMES OF SOIL GROUPS	GROUP SYMBOLS	IMPORTANT PROPERTIES				ROLLED EARTH DAMS			
		PERMEA- BILITY WHEN COMPACTED	SHEARING STRENGTH WHEN COMPACTED AND SATURATED	COMPRESSIBILITY WHEN COMPACTED AND SATURATED	WORKABILITY AS A CONSTRUCTION MATERIAL	HOMO- GENEOUS EMBANK- MENT	CORE	SHELL	ERC RESIS
Well-graded gravels, gravel-sand mixtures, little or no fines	-GW	pervious	excellent	negligible	excellent	—	—	1	
Poorly graded gravels, gravel-sand mix- tures, little or no fines	GP	very pervious	good	negligible	good	—	—	2	
Silty gravels, poorly graded gravel-sand- silt mixtures	GM	semi-pervious to impervious	good	negligible	good	2	4	—	
Clayey gravels, poorly graded gravel-sand- clay mixtures	GC	impervious	good to fair	very low	good	1	1	—	
Well-graded sands, gravelly sands, little or no fines	SW	pervious	excellent	negligible	excellent	—	—	3 if gravelly	
Poorly graded sands, gravelly sands, little or no fines	SP	pervious	good	very low	fair	—	—	4 if gravelly	if gr
Silty sands, poorly graded sand-silt mixtures	SM	semi-pervious to impervious	good	low	fair	4	5	—	if gr
Clayey sands, poorly graded sand-clay mixtures	SC	impervious	good to fair	low	good	3	2	—	
Inorganic silts and very fine sands, rock flour, silty or clayey fine sands with slight plasticity	ML	semi-pervious to impervious	fair	medium	fair	6	6	—	-
Inorganic clays of low to medium plasticity, clayey clays, sandy clays, silty clays, lean clays	CL	impervious	fair	medium	good to fair	5	3	—	
Organic silts and organic silt-clays of low plasticity	OL	semi-pervious to impervious	poor	medium	fair	8	8	—	-
Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts	MH	semi-pervious to impervious	fair to poor	high	poor	9	9	—	

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Chicago Phone: 273-54  
Northbrook Phone: 272-651

# SOIL TESTING SERVICES, INC.

111 PFINGSTEN ROAD NORTHBROOK, ILL. 60062

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KEGHAM K. SHIRANIAN, P.E.  
RODNEY M. K. WONG, P.E.

July 6, 1970

CONRAD R. DELATOUR  
CHARLES W. PFINGSTEN  
RAYMOND W. RUSIN  
SARTAJ H. SIDDIQUI

Chicago Associates  
410 South Michigan Avenue  
Chicago, Illinois

Attention: Mr. Bill Kehoe

STS Job No. 10222-A

Reference: Investigation of parking lot subgrade at the Proposed Flexible Steel Company in Downers Grove, Illinois

Gentlemen:

We performed five (5) shallow hand auger type borings in the proposed parking lot area, as directed. The results of these test data are attached to this letter report.

It is our understanding the proposed parking lot final grade is approximately the same as the present grade and is designed with 2 in. of bituminous pavement and 6 in. of macadam base and is designed for auto wheel traffic, only. Apparently the fill has been in place approximately 2 years.

As indicated by the test data at the boring locations, a minimum of 3 ft. of fill to the maximum depth of the borings at 6 ft., consisted of a silty clay fill and topsoil. In the vicinity of borings #1 through #3, the fill is variable with some layers relatively firm and other thin layers soft. Borings #4 and #5 indicated at least 6 ft. of topsoil with layers of varying densities and moisture contents.

There are a number of alternate construction procedures to use depending primarily on economics. Of course the best procedure would be to completely remove all fill and topsoil and replace with suitable compacted fill. A second alternate would be to remove a portion of the fill and topsoil; for example, use a minimum of 12 in. of compacted granular subbase. The macadam base should be increased from 6 to 8 in. minimum. In lieu of the 8 in. waterbound macadam base, we often recommend the use of CA-6 material, placed in two 4 in. lifts and compacted to 95% of ASTM D 1557-66T, according to the State of Illinois Standard Specifications for road and bridge construction. A third alternate is to use at least a 12 in. macadam base (or 14 in. of CA-6 compacted in three layers) and increase the bituminous paving to 3 in. Unless all fill and topsoil is removed, some settlement will occur due both to the soft layer within the fill and the topsoil. The magnitude of the settlement is difficult to predict.

Chicago Associates  
STS Job No. 10222-A  
July 6, 1970  
Page 2

It will depend on the thickness of the fill and topsoil left in place and the conditions of the underlying natural soils. Some maintenance will be required and the extent will again depend on the soil conditions and the thickness of the material left in place.

If granular material is used as a subbase, proper subdrainage should be provided such that the ground or surface water does not accumulate for prolonged periods within the granular fill.

Regarding alternate No. 2, suitable clayey fill could be used in place of the granular fill; however, difficulties with compaction can be anticipated due to the instability of the topsoil and clay fill below. Of course all fill placed should be placed in thin layers and compacted to a maximum of 95% of ASTM D 1557-66T.

If there are any questions with regard to this report, please do not hesitate to contact us.

Very truly yours,

SOIL TESTING SERVICES, INC.

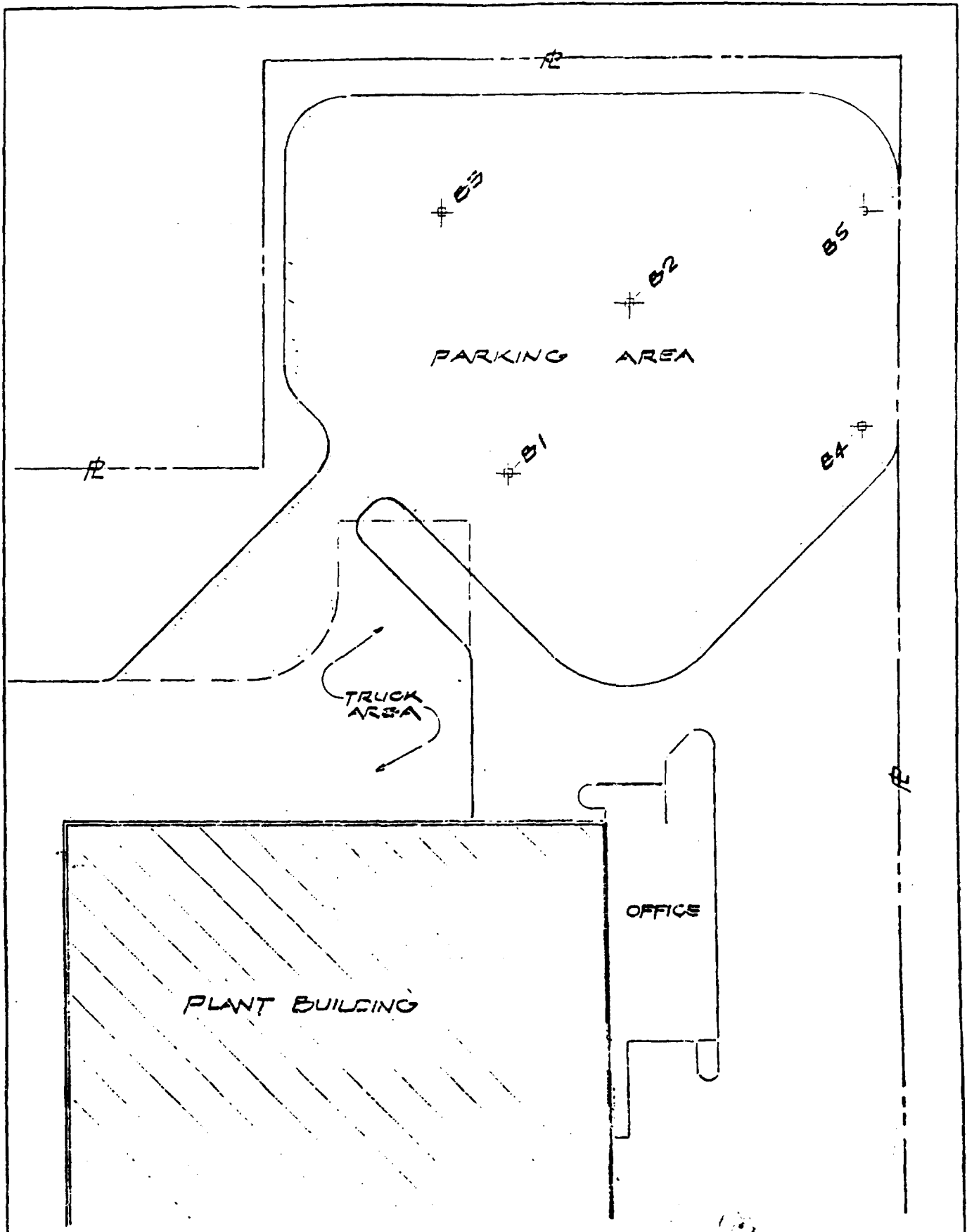
*Clyde L. McComb*

Clyde L. McComb  
Registered Professional Engineer  
Illinois

*Clyde H. Baker, Jr.*

Clyde H. Baker, Jr.  
Chief Engineer

CLM:es



SOIL BORING LOCATION DIAGRAM  
 PROPOSED PARKING AREA  
 FLEXIBLE STEEL COMPANY  
 DOWNERS GROVE ILLINOIS



SOIL TESTING SERVICES, INC.  
 111 FFINGSTEN ROAD  
 NORTHBROOK ILLINOIS

MP RE 6-30-70 10222-A

111 Pfingsten Road  
Northbrook, Illinois

STS Job No. 10222-A  
DATE SAMPLED IN  
FIELD

SHELBY TUBE TEST DATA SUMMARY

Job Name and Location Field to Steel Joist Girders G-20-211  
Architect or Engineer CAPA  
Contractor Robert J. ...

TEST LOCATION	DEPTH	SOIL DESCRIPTION	WATER CONTENT	DRY DENSITY	PERCENT COMPACT	UNCONF. STNG.	REMARKS
B-1; S-1	0-1'3"	Silty clay Tr to Ss S <sub>0</sub> + Gr. Brown CL	19.1	117.5	---	6.0	Fill
" S-2	1'3"-1'6"	Silty cl Tr Sa Gr + roots Tr to silty clay S <sub>0</sub> -S <sub>1</sub>	17.9	113.8	---	5.0	Fill
" S-2A	1'7"-1'10"	Silty clay Tr to Ss S <sub>0</sub> + Gr brown. CL-S <sub>0</sub>	26.9	---	---	2.7	Fill
" S-2B	1'10"-2'3"	Silty cl Tr to Ss S <sub>0</sub> Gr brown + gray CL-CH	16.7	115.0	---	4.3	Fill
" S-3	2'3"-2'9"	Silty cl Tr to Ss S <sub>0</sub> Tr Gr brown + gray CL	15.9	120.8	---	4.0	Fill
" S-3A	2'9"-2'10"	Silty cl Tr Sa. Some to silty brown + gray CL-CH	23.5	---	---	2.0	Fill
" S-3B	2'10"-3'3"	Silty cl Tr Sa + Gr brown + gray CL-CH	20.3	110.8	---	4.5	Fill
" S-4	3'3"-4'3"	Silty cl Tr to Ss S <sub>0</sub> Tr Gr brown CL	17.3	115.3	---	4.5	---
" S-5	4'3"-5'3"	Silty clay Tr to Ss S <sub>0</sub> Tr Gr brown CL	18.8	114.6	---	4.0	---
B-2; S-1	0-1'	Silty cl Tr to Ss S <sub>0</sub> Tr Gr brown + gray CL	17.5	114.6	---	4.5	Fill
" S-2	1'-2'	Silty cl Tr Sa, Gr + roots brown + gray CL-CH	19.4	102.0	---	2.0	Fill
" S-3	2'-3'3"	Clay silty Some to silty Tr brown + gray CL-CH	19.5	108.4	---	2.2	Fill
" S-4	3'3"-4'3"	Silty cl Tr Sa + Gr brown CL-CH	20.9	107.9	---	1.4	Fill

NOTE: METHOD OF SAMPLING: THIN-WALLED TUBE SAMPLING OF SOILS, ASTM D 1587  
SAMPLER, 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH A SHARP CURRING EDGE. DEPTH  
IS MEASURED FROM EXIST. GRADE. WATER CONTENT IS PERCENT OF DRY WT.  
DENSITY IS LBS PER CU FT. UNCONFINED COMPRESSIVE STRENGTH IS TONS PER SQ FT.,  
\* INDICATES A CALIBRATED HAND PENETROMETER. % COMPACTION BASED ON MAXIMUM DRY  
DENSITY OF --- PCF ACCORDING TO ASTM D ☐ 1557 OR ☐ 698 ☐ ESTIMAT

111 Pfingston Road  
Northbrook, Illinois

STS Job No. 10222-A  
DATE SAMPLED IN  
FIELD \_\_\_\_\_

SHELBY TUBE TEST DATA SUMMARY

Job Name and Location Flexible steel- Downers Grove- Ill.

Architect or Engineer CAPA

Contractor Rekstar- Bldg. -

TEST LOCATION	DEPTH	SOIL DESCRIPTION	WATER CONTENT	DRY DENSITY	PERCENT COMPACT	UNCONF. STNG.	REMARKS
B-2; S-5	4'-5'	Silty C/T Ss - S + roots.	26.5	105.1	-	1.1	Fill
		T. sh. - brown + gray. CL-CH	19.6	111.2	-	3.1	Fill
B-3; S-1	0'-1'	Silty C/T Ss. G + roots	19.4	107.3	-	2.0	Fill
		brown + gray. CL-CH					Fill
" S-2	1'-2'	Silty C/T Ss, G + roots	27.0	104.6	-	2.2	Fill
		brown + gray. CL-CH					
" S-3	2'-3'	Same	21.9	102.5	-	2.0	Fill
" S-4	3'-4'	Same	26.5	97.6	-	1.2	Fill
" S-5	4'-5'	Silty C/T to Ss + roots	16.4	112.1	-	4.0	Fill
		brown + gray. CL					
B-4; S-1	0'-1'	Silty + clayey T soil	39.8	81.1	-	1.5	
		T roots. black OL-CH					
" S-2	1'-2'	Silty + clayey T soil / T roots	39.2	75.0	-	0.7	
		dk gray + dk brown. CL-CH					
" S-3	2'-4'	Same	44.0	79.0	-	1.7	
" S-4	4'-6'	Same (black)	35.0	87.7	-	2.3	
B-5; S-1	0'-1'	Silty + clayey T soil / black + dk	42.5	71.5	-	-	
		brn. (OL-CH)					
" S-2	1'-2'	Same	35.7	84.9	-	0.7	
" S-3	2'-4'	Same	38.3	81.0	-	1.6	
" S-4	1'-5'	Same	27.3	93.5	-	1.0	
" S-5	5'-6'	Same	35.3	83.7	-	1.1	

12-024

NOTE: METHOD OF SAMPLING: THIN-WALLED TUBE SAMPLING OF SOILS, ASTM D 1587  
SAMPLER, 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH A SHARP CURRING EDGE. DEPTH IS MEASURED FROM EXIST. GRADE. WATER CONTENT IS PERCENT OF DRY WT. DENSITY IS LBS PER CU FT. UNCONFINED COMPRESSIVE STRENGTH IS TONS PER SQ FT., \* INDICATES A CALIBRATED HAND PENETROMETER. % COMPACTION BASED ON MAXIMUM DRY DENSITY OF \_\_\_\_\_ PCF ACCORDING TO ASTM D ☐ 1557 OR ☐ 698 ☐ ESTIMA

COOPERATIVE EXTENSION SERVICE  
799 Roosevelt Road -- Building #4 - Suite 320  
Glen Ellyn, Illinois 60137  
Telephone: 469-2467

LAWN SOIL TEST REPORT

Name Flexible Steel Lacing Company Date April 13, 1972

Address 2525 Wisconsin - Downers Grove, Illinois 60515

Sample New Lawn Sample \_\_\_\_\_

ACIDITY TEST (pH)

Alkaline

✓

5'

Neutral

8'

Acid

Alkaline


Neutral

Acid

Apply 12 lbs of  
Sulfur per 1000 sq ft

Apply \_\_\_\_\_ lbs of  
\_\_\_\_\_ per 1000 sq ft

No pH correction needed

No pH correction needed

PHOSPHORUS & POTASSIUM TESTS

P<sub>1</sub>-Available Phosphate --- P<sub>2</sub>-Reserve & Available Phosphate --- K-Potassium

Surplus

	P <sub>1</sub>	P <sub>2</sub>	K
Surplus			
Sufficient		✓	✓
Slightly Deficient			
Moderately Deficient	✓		
Extremely Deficient			

Surplus

	P <sub>1</sub>	P <sub>2</sub>	K
Surplus			
Sufficient			
Slightly Deficient			
Moderately Deficient			
Extremely Deficient			

Sufficient

Slightly Deficient

Moderately Deficient

Extremely Deficient

10-0-1  
Levels are satisfactory. Follow one of the maintenance programs suggested on pages 4 and 5 of KEEPING A LAWN.

Levels are satisfactory. Follow one of the maintenance programs suggested on pages 4 and 5 of KEEPING A LAWN.

Apply 15 pounds of a 12-12-12 analysis fertilizer per 1000 square ft.

Apply \_\_\_\_\_ pounds of a \_\_\_\_\_ analysis fertilizer per 1000 square ft.

The first number of the fertilizer analysis refers to the percentage of (N) Nitrogen, the second to (P<sub>2</sub>O<sub>5</sub>) Phosphate, and the third to K (Potash). If not available, use a similar analysis.

### SOIL ACIDITY OR ALKALINITY

--In the lawn is not as important as in other areas as flower beds, vegetable gardens or shrubbery plantings. Grass is quite tolerant of a wide range of pH readings, therefore we do not recommend lime or sulfur remedies unless the situation is severe and grass is not established.

If lime or sulfur is recommended for a new lawn, it should be broadcast and mixed into the top 6 inches of soil before the lawn is seeded or sodded.

Once the turf is established a top dressing of lime or sulfur would be of little practical value.

### PHOSPHORUS AND POTASSIUM

Phosphorus is particularly important in establishing a good turf. If a phosphate or potash material is suggested for your new lawn, broadcast it and work it into the soil to a 6-inch depth along with the lime or sulfur (if required).

After grasses are established nitrogen shows the greatest response. A regular maintenance fertilization program will supply adequate amounts of this nutrient and keep the phosphate and potash levels up as well.

### ADDITIONAL INFORMATION

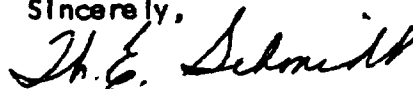
✓ See pages 9 and 10 of *"Starting A Lawn"* for recommendations on working the soil and starter fertilizers.

See pages 4 and 5 of *"Keeping A Lawn"* for maintenance fertilizer programs. General comments on fertilizing, pages 3 to 7 sum up the fertility situation very well.

APPLY 15 POUNDS OF A 12-12-12 ANALYSIS FERTILIZER PER THOUSAND SQUARE FEET. THIS SHOULD BE APPLIED BEFORE SEEDING BY DISKING OR ROTOTILLING IT IN. YOUR SOIL IS ALKALINE AND THIS CAN BE CORRECTED BY APPLYING 10 POUNDS OF SULFUR PER 1000 SQUARE FEET.

I hope that this information is helpful to you. If you have any questions please feel free to call.

Sincerely,



W. E. Schmidt

Extension Adviser, Agriculture

Other lawn publications available from our office:

CB73 - Lawn Weeds: Identification and Control

NC12 - Lawn Diseases

U. S. D. A. - University of Illinois at Urbana-Champaign - College of Agriculture -  
DuPage County Cooperating

No. 47391  
PAGE 1

Samples brought in by \_\_\_\_\_

Samples tested by **NU-AG, INC.**

CHARGE TO \_\_\_\_\_ DUPAGE CO

[illegible]

**Limestone Recommendations:**\_\_\_\_\_

Rock Phosphate Recommendations: \_\_\_\_\_

**Potash Recommendations:**\_\_\_\_\_

Signature of Qualified Soil Technician \_\_\_\_\_

**Title** \_\_\_\_\_

# SOIL TESTING SERVICES



GEOTECHNICAL AND MATERIALS ENGINEERS

**SUBSURFACE EXPLORATION**

**for the  
Proposed Plant Addition  
at Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois**

**For**

**Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois**

**By**

**SOIL TESTING SERVICES, INC.  
111 Pfingsten Road  
Northbrook, Illinois 60062**

**STS Job No. 10222-B**

October 28, 1981

Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois 60615



**SOIL TESTING SERVICES, INC.**

111 PFINGSTEN ROAD P.O. BOX 1009 NORTHBROOK, ILLINOIS 60062  
PHONE Chicago 312-273-5440 Northbrook 312-272-6520

Attention: Mr. Alfred E. Gladding

STS Job No. 10222-B

Reference: Subsurface Exploration for the Proposed Plant Addition at Flexible  
Steel Lacing Company, 2525 Wisconsin Avenue, Downers Grove, Illinois

Gentlemen:

We have completed our subsurface exploration in accordance with your authorization. This report presents the results of the exploration program, along with our geotechnical engineering evaluation of the soil conditions as they relate to the proposed project. In our exploration program, six (6) soil borings were performed. The logs of these borings, along with a location diagram, are included with this report.

In summary, shallow spread footing foundations extending to the natural very stiff to hard silty clay can be utilized for the support of the proposed structure. Detailed recommendations along with pertinent comments concerning construction difficulties and long-term performance are included in the body of the report.

If there are any questions with regard to the information or recommendations contained in this report, or if we may be of further service to you, please do not hesitate to contact us.

Very truly yours,

SOIL TESTING SERVICES, INC.



An-Bin Huang  
Assistant Project Engineer



Robert G. Lukas, P.E.  
Principal Engineer

/mas

## INTRODUCTION

We have completed the subsurface exploration for the proposed plant addition at Flexible Steel Lacing Company, 2525 Wisconsin Avenue, Downers Grove, Illinois, as per your authorization. This report presents the results of the six (6) soil borings, along with our evaluation of the soil conditions as they relate to the proposed project.

We understand that the proposed construction will be a one-story building without a basement. Relatively light column loads are expected. The proposed floor load is to be on the order of 200 psf. The proposed floor slab grade will be at the same as that of the existing portion of the plant. A loading dock will be constructed on the Wisconsin Avenue side of the building.

The purposes of this report are to (1) describe the soil conditions at the boring locations, (2) recommend the most suitable foundation system for the proposed structure and (3) discuss specific construction problems directly related to the installation of the recommended foundation system.

The conclusions and recommendations contained in this report have been based on six (6) soil borings extending to a maximum depth of 27 ft, laboratory testing and engineering analysis. The results of the soil borings, along with a boring location diagram, are enclosed with this report.

### SUBSURFACE EXPLORATION PROCEDURES

The soil borings were selected and located in the field by the owner. The soil borings were performed with a truck mounted auger drilling rig, which utilized continuous flight augers to advance the bore holes. Drilling fluid was not used in this process.

Representative soil samples were obtained by means of the shelly tube sampling procedure in general conformance with ASTM Specification D-1587 (see enclosure). In the shelly tube sampling procedure, a thin-walled, steel seamless tube with a sharp cutting edge is pushed hydraulically into the soil and a relatively undisturbed sample is obtained.

A field log of the soils encountered in the borings was maintained by the drill crew. All soil samples obtained from the drilling operations were sealed immediately in the field and brought to our laboratory for further examination and testing.

### LABORATORY TESTING PROGRAM

The laboratory testing program consisted of performing water content and hand penetrometer tests on a portion of the representative soil samples obtained. In the hand penetrometer test, the unconfined compressive strength of a cohesive soil is estimated by measuring the resistance of the soil sample to penetration by a small, spring-calibrated cylinder.

In conjunction with the laboratory testing program, the soil samples were examined in the laboratory and classified on the basis of texture and plasticity in accordance with the Unified Soil Classification System. The soil descriptions on the boring logs are in conformance with this system and the estimated group symbol according to this system is included in parentheses following the soil descriptions on the boring logs. A brief explanation of this system of classification is included with this report.

Additional comments with regard to the preparation of final boring logs from the field logs and laboratory test data are described on the sheet entitled: "Procedures Regarding Field Logs, Laboratory Data Sheets and Samples", which is included with this report.

#### SITE AND SUBSURFACE CONDITIONS

The project site is located to the west of the existing plant and is currently vacant. The central portion of the proposed building area is heavily wooded with bushes and trees. Ground surface elevations at each boring location were taken. These elevations are referred to the surface of the floor slab within the existing plant where the elevation was assumed to be at 100.0. The existing ground surface sloped down toward the north with elevations changing from 109.1 to 96.4.

Roughly 1 ft of clayey topsoil was encountered immediately below the ground surface in most of the borings. At Boring B-5, 4.5 ft of clay fill underlain with 1 ft of clayey topsoil was found from below the ground surface. This clay fill is associated with a localized pile of fill in the area of Boring B-5. The ground surface at B-5 is 5 ft higher

than at B-6. Underlying the fill and topsoil, natural, very stiff to hard silty clay was predominately encountered and extended to a maximum depth of 27 ft below existing grade in all the borings. Occasional layers of natural, medium to stiff silty clay and clayey silt with thickness in the range of 2 to 5 ft were noted in Borings B-2 and B-4. However, the lower strength of the clayey soils indicated in Boring B-4 is likely due to the disturbance of soil samples.

#### GROUND WATER TABLE CONDITIONS

Water level measurements were taken immediately after the boring operations. These readings varied considerably from 1.5 ft to as much as 7.5 ft below the existing grade. The shallower readings appear to be associated with the surface water accumulated in the bore hole. Where cohesive soils were encountered, a fairly long time is required for the ground water to seep into the bore holes and attain an equilibrium position with the water table. At the present time the water table is probably higher than normal due to the large amount of rainfall, so the readings at 7.5 ft will be an accurate but temporary level. Based upon the change in soil color from brown to gray, it appears that the long-term hydrostatic ground water table would be located at roughly elevation 83 to 85. Fluctuations in the location of the long-term hydrostatic ground water table are normal and may occur throughout the year, depending upon variations in precipitation, evaporation, and surface runoff.

## ANALYSIS AND RECOMMENDATIONS

### Foundations

Based upon the available soil and structural information, we recommend that shallow spread footing foundations be utilized for the support of the proposed structure. All footing foundations should be extended through the existing fill and topsoil, and be supported on the underlying natural, very stiff to hard silty clay. For footings so situated, a net allowable soil bearing pressure of 4000 psf is recommended. The net allowable soil bearing pressure refers to that pressure which may be transmitted to the foundation soil in excess of the final minimum surrounding overburden pressure.

In order to provide adequate frost cover protection, it is recommended that the perimeter footings of heated areas be located at a minimum depth of 3.5 ft below finished grade and that footings in non-heated areas be located at a minimum depth of 4 ft below finished grade.

In order to prevent disproportionately small footing sizes, it is recommended that continuous footings have a minimum width of 1.5 ft and that isolated column footings have a minimum lateral dimension of 2.5 ft.

Considering the existing grade of the site in relation to the proposed floor slab level, it appears that a maximum of roughly 4 ft of new fill will be placed in the northern portion of the proposed building area. At the south end of the proposed building area, approximately 5 to 9 ft of soil will have to be removed to reach the design grade. The

long-term foundation settlement depends upon the column loads and the amount of new fill placed adjacent to the foundation. Considering the magnitude of structural and earth loads involved, we estimate that the maximum total settlement will be on the order of  $\frac{1}{8}$  to  $\frac{1}{2}$  inch, with more settlement towards the north end of the proposed building.

#### Floor Slab-On-Grade

For the design and construction of the floor slab-on-grade, we recommend that all the vegetation, existing fill and topsoil be removed from the proposed floor slab-on-grade area. The new fill placed to attain the final floor slab grade should be free of organic matter and debris. This material should be placed in lifts not exceeding 9 inches in loose thickness and compacted to a minimum of 90% of the maximum density obtained in accordance with ASTM Specification D-1557, Modified Proctor Method. In areas where masonry partitions are to be supported directly on the floor slab or where floor loads exceed 500 psf, we recommend that the fill be compacted to a minimum of 95% of the above-referenced ASTM specification density. To minimize the effect of any differential settlement, the floor slabs-on-grade should be isolated from the structure foundation. Also, the proposed floor slab-on-grade should be properly reinforced to maintain the integrity of the slab should minor differential movement occur.

Some precautions should be undertaken in the proposed loading dock area on Wisconsin Avenue, where the loading dock walls will be exposed. To minimize additional lateral earth pressures on these loading dock walls due to frost action, we recommend that some insulation material be placed between the wall and the fill placed within the interior floor slab area.

### CONSTRUCTION CONSIDERATIONS

Serious problems due to ground water infiltration during footing excavations are not expected since they will be above the long-term ground water table and within relatively low permeability clay soils. However, significant quantities of surface water may accumulate during periods of heavy rain. Any water or loosened material at the base of the excavations should be removed immediately prior to the placement of foundation concrete or new fill.

Care should be exercised during the time of excavation and compaction in areas adjacent to the existing building not to undermine or damage the existing structures.

### GENERAL QUALIFICATIONS

This report has been prepared in order to aid in the evaluation of this property and to assist the architect and/or engineer in the design of this project. The scope is limited to the specific project and location described herein, and our description of the project represents our understanding of the significant aspects relevant to soil and foundation characteristics. In the event that any changes in the design or location of the building (s) as outlined in this report are planned, we should be informed so the changes can be reviewed and the conclusions of this report modified or approved in writing by the soil and foundation engineer.

It is recommended that all construction operations dealing with earthwork and foundations be reviewed by an experienced soil engineer to provide information on which to base a decision whether the design requirements are fulfilled in the actual construction. If you wish, we would welcome the opportunity to provide field construction services for you during construction.

The analysis and recommendations submitted in this report are based upon the data obtained from the soil borings performed at the locations indicated on the location diagram and from any other information discussed in this report. This report does not reflect any variations which may occur between these borings. In the performance of subsurface explorations, specific information is obtained at specific locations at specific times. However, it is a well-known fact that variations in soil and rock conditions exist on most sites between boring locations and also such situations as ground water levels vary from time to time. The nature and extent of variations may not become evident until the course of construction. If variations then appear evident, it will be necessary for a re-evaluation of the recommendations of this report after performing on-site observations during the construction period and noting the characteristics of any variations.

Because of the possibility of these unanticipated subsurface conditions occurring, we recommend that a "changed condition" clause be provided in the contract both with the general contractor and in contracts with sub-contractors involved in the foundation and

earthwork construction. It is felt that the inclusion of this clause will permit contractors to give lower prices because they will not need to provide as much in contingencies as they normally would. If equitable adjustment of changed conditions will minimize conflicts and litigation with the attendant delays and costs. Furthermore, by the immediate recognition and adjustment in contract price at the time any changed conditions are encountered, the immense problem of trying to recreate facts when litigation develops later is eliminated. A mediation/arbitration procedure is recommended in the event that the owner, contractor and professionals do not agree on the changed conditions at the moment they are disclosed. If you wish, we would be pleased to furnish additional information pertaining to this procedure. A suggested wording for a change condition is given in the Appendix.

## APPENDIX

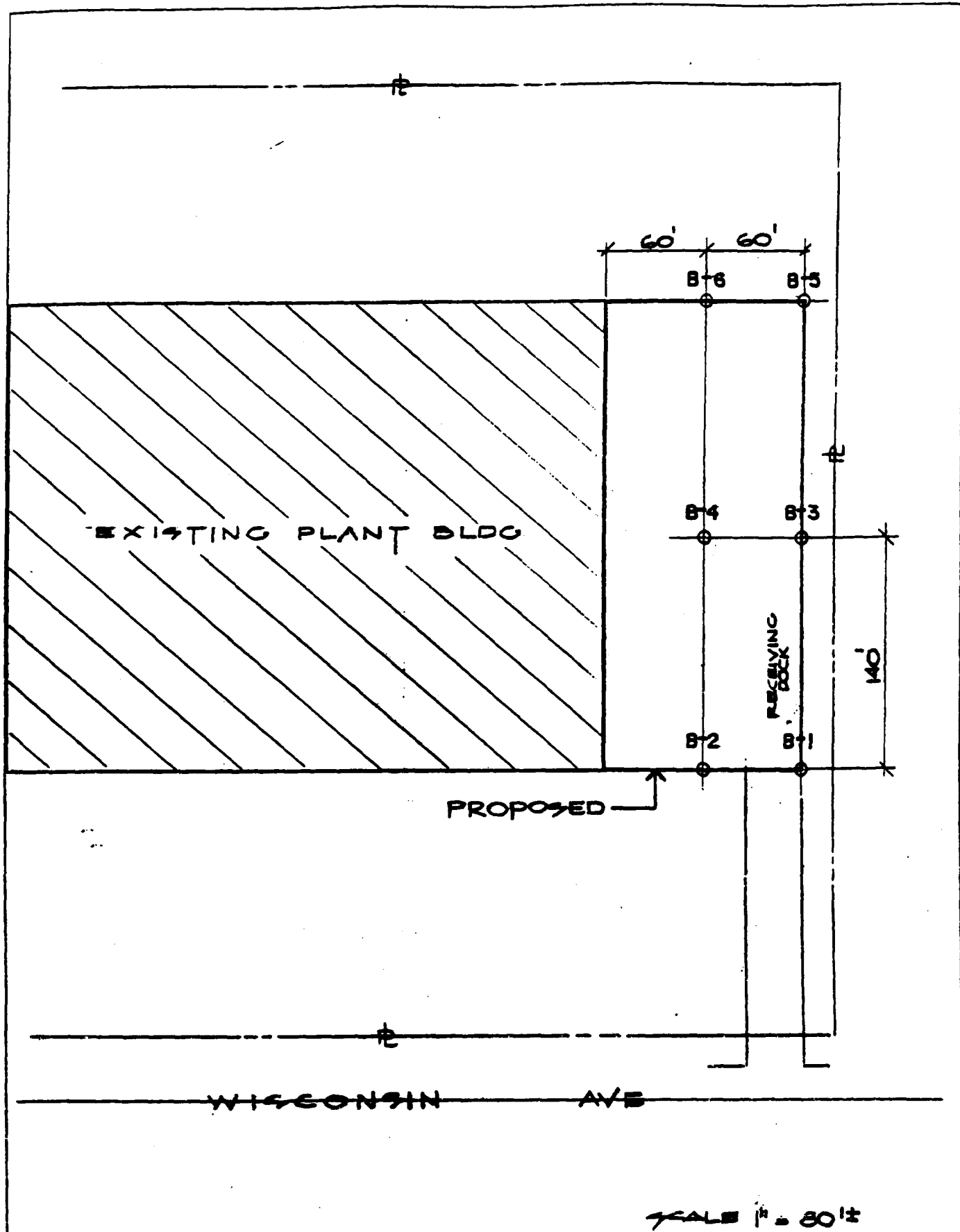
1. Standard Clause for Unanticipated Subsurface Conditions
2. Location Diagram
3. General Notes
4. Procedures Regarding Field Logs, Laboratory Data Sheets and Samples
5. Boring Logs
6. ASTM Specification  
D 1587-67
7. Unified Soil Classification System

### Standard Clause for Unanticipated Subsurface Conditions

"The owner has had a subsurface investigation performed by a foundation consultant, the results of which are contained in the consultant's report. The consultant's report presents his conclusions on the subsurface conditions based on his interpretation of the data obtained in the investigation. The contractor acknowledges that he has reviewed the consultant's report and any addenda thereto, and that his bid for earthwork operations is based on the subsurface conditions, as described in that report. It is recognized that a subsurface investigation may not disclose all conditions as they actually exist and further, conditions may change, particularly groundwater conditions, between the time of a subsurface investigation and the time of earthwork operations. In recognition of these facts, this clause is entered in the contract to provide a means of equitable additional compensation for the contractor if adverse unanticipated conditions are encountered and to provide a means of rebate to the owner if the conditions are more favorable than anticipated.

At any time during earthwork, paving and foundation construction operations that the contractor encounters conditions that are different than those anticipated by the foundation consultant's report, he shall immediately (within 24 hours) bring this fact to the owner's attention. If the owner's representative on the construction site observes subsurface conditions which are different than those anticipated by the foundation consultant's report, he shall immediately (within 24 hours) bring this fact to the contractor's attention. Once a fact of unanticipated conditions has been brought to the attention of either the owner or the contractor, and the consultant has concurred, immediate negotiations will be undertaken between the owner and the contractor to arrive at a change in contract price for additional work or reduction in work because of the unanticipated conditions. The contractor agrees that the following unit prices would apply for additional or reduced work under the contract. For changed conditions for which unit prices are not provided, the additional work shall be paid for on a time and material basis."

Another example of a changed conditions clause can be found in paper No. 4035 by Robert F. Borg published in ASCE Construction Division Journal, No. CO2, September 1964, page 37.



**SOIL BORING LOCATION DIAGRAM**  
**PROPOSED PLANT ADDITION for**  
**FLEXIBLE STEEL LACING Company**  
**2525 WISCONSIN AVE, DOWNERS GROVE, ILL.**



**SCALE 1" = 80'**

**SOIL TESTING SERVICES, INC.**

**111 PFINGSTEN ROAD**  
**NORTHBROOK ILLINOIS 60062**

**MP ABH 10-19-1981 10222-B**

## GENERAL NOTES

### DRILLING & SAMPLING SYMBOLS:

SS :	Split Spoon - 1 3/8" I.D., 2" O.D. Unless otherwise noted	OS :	Osterberg Sampler - 3" Shelby Tube
ST :	Shelby Tube - 2 1/2 O.D., Unless otherwise noted	HS :	Hollow Stem Auger
PA :	Power Auger	WS :	Wash Sample
DB :	Diamond Bit - NX, BX, AX	FT :	Fish Tail
AS :	Auger Sample	RB :	Rock Bit
JS :	Jar Sample	BS :	Bulk Sample
VS :	Vane Shear	PM :	Pressuremeter Test, In-Situ
		GS :	Giddings Sampler

Standard "N" Penetrations: Blows per foot of a 140 pound hammer falling 30 inches on a 2 inch O.D. split spoon sampler, except where otherwise noted.

### WATER LEVEL MEASUREMENT SYMBOLS:

WL :	Water Level	WCI :	Wet Cave In
WS :	While Sampling	DCI :	Dry Cave In
WD :	While Drilling	BCR :	Before Casing Removal
AB :	After Boring	ACR :	After Casing Removal

Water levels indicated on the boring logs are the levels measured in the boring at the times indicated. In pervious soils, the indicated elevations are considered reliable groundwater levels. In impervious soils, the accurate determination of ground water elevations may not be possible, even after several days of observations; additional evidence of ground water elevations must be sought.

### GRADATION DESCRIPTION & TERMINOLOGY:

Coarse Grained or Granular Soils have more than 50% of their dry weight retained on a #200 sieve; they are described as boulders, cobbles, gravel or sand. Fine Grained soils have less than 50% of their dry weight retained on a #200 sieve; they are described as clays or clayey silts if they are cohesive and silts if they are non-cohesive. In addition to gradation, granular soils are defined on the basis of their relative in-place density and fine-grained soils on the basis of their strength or consistency and their plasticity.

Major Component Of Sample	Size Range	Descriptive Term Of Components Also Present In Sample	Percent Of Dry Weight
Boulders	Over 8 in. (200 mm)	Trace	1 - 9
Cobbles	8 inches to 3 inches (200 mm to 75 mm)	Little	10 - 19
Gravel	3 inches to #4 sieve (75 mm to 4.75 mm)	Some	20 - 34
Sand	#4 to #200 sieve (4.75 mm to 0.075 mm)	And	35 - 50
Silt	Passing #200 sieve (0.075 mm to 0.005 mm)		
Clay	Smaller than 0.005 mm		

### CONSISTENCY OF COHESIVE SOILS:

Unconfined Compressive Strength, $q_u$ , tsf	Consistency
< 0.25	Very Soft
0.25 - 0.49	Soft
0.50 - 0.99	Medium (Firm)
1.00 - 1.99	Stiff
2.00 - 3.99	Very Stiff
4.00 - 8.00	Hard
> 8.00	Very Hard

### RELATIVE DENSITY OF GRANULAR SOILS:

N - Blows per ft.	Relative Density
0 - 3	Very Loose
4 - 9	Loose
10 - 29	Medium Dense
30 - 49	Dense
50 - 80	Very Dense
80+	Extremely Dense

PROCEDURES REGARDING FIELD LOGS,  
LABORATORY DATA SHEETS AND SAMPLES

In the process of obtaining and testing samples and preparing this report, procedures are followed that represent reasonable and accepted practice in the field of soil and foundation engineering.

Specifically, field logs are prepared during performance of the drilling and sampling operations which are intended to portray essentially field occurrences, sampling locations and other information.

Samples obtained in the field are frequently subjected to additional testing and reclassification in the laboratory by more experienced soil engineers, and differences between the field logs and the final logs exist.

The engineer preparing the report reviews the field and laboratory logs, classifications and test data, and in his judgement in interpreting this data, may make further changes.

Samples taken in the field, some of which are later subjected to laboratory tests, are retained in our laboratory for sixty days and are then destroyed unless special disposition is requested by our client. Samples retained over a long period of time, even in sealed jars, are subject to moisture loss which changes the apparent strength of cohesive soil, generally increasing the strength from what was originally encountered in the field. Since they are then no longer representative of the moisture conditions initially encountered, an inspection of these samples should recognize this factor.

It is common practice in the soil and foundation engineering profession that field logs and laboratory data sheets not be included in engineering reports, because they do not represent the engineer's final opinions as to appropriate descriptions for conditions encountered in the exploration and testing work. On the other hand, we are aware that perhaps certain contractors and subcontractors submitting bids or proposals on work might have an interest in studying these documents before submitting a bid or proposal. For this reason, the field logs will be retained in our office for inspection by all contractors submitting a bid or proposal. We would welcome the opportunity to explain any changes that have and typically are made in the preparation of our final reports, to the contractor or subcontractors, before the firm submits its bid or proposal, and to describe how the information was obtained to the extent the contractor or subcontractor wishes. Results of laboratory tests are generally shown on the boring logs or are described in the text of the report, as appropriate.

The descriptive terms and symbols used on the logs are described on the attached sheet, entitled, General Notes.

<b>OWNER</b> Flexible Steel Lacing Company					<b>LOG OF BORING NUMBER</b> B-1				
<b>PROJECT NAME</b> Proposed Plant Addition					<b>ARCHITECT-ENGINEER</b>				
<b>SITE LOCATION</b> 2525 Wisconsin Ave., Downers Grove, Illinois									
ELEVATION	DEPTH	SAMPLE NO.	SAMPLE TYPE	SAMPLE DISTANCE	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LBS./FT.	<div style="display: flex; justify-content: space-around; font-size: 0.8em;"> <div>             ○ UNCONFINED COMPRESSIVE STRENGTH TONS/FT.<sup>2</sup> 1 2 3 4 5           </div> <div>             X PLASTIC LIMIT % 10 20 30 40 50           </div> <div>             ● WATER CONTENT % 10 20 30 40 50           </div> <div>             △ LIQUID LIMIT % 10 20 30 40 50           </div> </div> <div style="display: flex; justify-content: space-around; font-size: 0.8em; margin-top: 5px;"> <div>             ⊗ STANDARD PENETRATION 10 20 30 40 50           </div> <div>             BLOWS/FT. 10 20 30 40 50           </div> </div>	
						SURFACE ELEVATION 98.2			
		1	ST			Clayey topsoil, little silt, trace roots -black (OH)			
			RB						
	5.9	2	ST			Silty clay, trace gravel & sand - brown & gray- very stiff to hard (CL) Color changed to gray at 9.5'±			
			RB						
		3	ST						
			RB						
	10.9	4	ST						
			RB						
		5	ST						
			RB						
	15.0	6	ST						
			RB						
	20.0	7	ST						
			RB						
	25.0		RB			Silty clay, little sand, trace gravel & shale -brownish gray- hard (CL)			
	27.0	8	ST						
						END OF BORING		*CALIBRATED PENETROMETER	

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES IN-SITU THE TRANSITION MAY BE GRADUAL

WL	WS or WD	BORING STARTED 10/7/81	<b>SOIL TESTING SERVICES, INC.</b> 111 PFINGSTEN ROAD NORTHBROOK ILLINOIS 60062	
WL	BCR	ACR	BORING COMPLETED 10/7/81	
WL	7.5',	0 Hrs. AB	RIG Auger FOREMANH.B.	APP'D BY ABH/ms STS JOB NO. 10222-B

4



[illegible]

OWNER  
Flexible Steel Lacing Company

LOG OF BORING NUMBER  
B-5

PROJECT NAME

Proposed Plant Addition

ARCHITECT-ENGINEER

SITE LOCATION  
2525 Wisconsin Ave., Downers Grove, Illinois

ELEVATION DEPTH	SAMPLE NO.	SAMPLE TYPE	SAMPLE DISTANCE	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LB./FT. <sup>3</sup>	UNCONFINED COMPRESSIVE STRENGTH TONS/FT. <sup>2</sup>					PLASTIC LIMIT %					WATER CONTENT %					LIQUID LIMIT %				
							STANDARD PENETRATION BLOWS/FT					X					X					X				
109.1	1	ST			"A" Silty clay, trace gravel, sand, topsoil & roots -brown to dk. gray-very stiff (CL-CH-F111)																					
5.0	2	ST			"B" Silty clay, trace sand -brown and gray- very stiff (CL-CH)																					
	3A	RB			Silty clay, trace gravel, sand and shale -brown & sl. gray- stiff to very stiff (CL)																					
	4	ST			Silty clay, trace gravel, sand and shale -brown - hard (CL)																					
15.0	5	ST			END OF BORING																					
	6	ST			"A" - Clayey topsoil, little silt, trace roots -black (OH-F111)																					
					"B" - Clayey topsoil, little silt, gray- very stiff (OH)																					

WL	WS ON WD	BORING STARTED 10/7/81	SOIL TESTING SERVICES, INC.
WL	BCR	ACR	BORING COMPLETED 10/7/81
WL	4.0', 0 Hrs. AB	RIG AUGER	FOREMAN M.B.

OWNER Flexible Steel Lacing Company				LOG OF BORING NUMBER B-6			
PROJECT NAME Proposed Plant Addition				ARCHITECT-ENGINEER			
SITE LOCATION 2525 Wisconsin Ave., Downers Grove, Illinois							
ELEVATION X DEPTH	SAMPLE NO.	SAMPLE TYPE	SAMPLE DISTANCE	RECOVERY	DESCRIPTION OF MATERIAL	UNIT DRY WT. LB./FT. <sup>3</sup>	UNCOMFINED COMPRESSIVE STRENGTH TONS/FT. <sup>2</sup> 1 2 3 4 5 PLASTIC LIMIT % WATER CONTENT % LIQUID LIMIT %
1	1A	ST			"A" SURFACE ELEVATION 104.8 Silty clay, trace gravel, sand and roots -brown- hard (CL-CH)		STANDARD PENETRATION 10 20 30 40 50 6.2- 170+
2	2	ST			Silty clay, little sand, trace gravel & shale -brown & gray- hard (CL)		6.2- 170+
3	3	ST			Silty clay, trace gravel, sand and shale -brown & gray- very stiff to hard (CL)		6.2- 170+
4	4	ST					6.2- 170+
5	5	ST					6.2- 170+
6	6	ST			END OF BORING "A" - Clayey topsoil, little silt, trace sand and roots -black (BH)		6.2- 170+

THE STRATIFICATION LINES REPRESENT THE APPROXIMATE BOUNDARY LINES BETWEEN SOIL TYPES. IN-SITU, THE TRANSITION MAY BE GRADUAL.

\*CALIBRATED PENETROMETER

WL	WS OR WD	BORING STARTED 10/7/81	SOIL TESTING SERVICES, INC.
WL	BCR	ACR	111 PINGSTEN ROAD
WL	1.5', 0 Hrs. AB	RIG Auger FOREMAN M.B.	NORTHBROOK ILLINOIS 60062
		APRD BY ABH/ms	STS JOB NO. 10222-B

# AMERICAN SOCIETY FOR TESTING AND MATERIALS

1916 Race St., Philadelphia, Pa. 19103

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## Standard Method for THIN-WALLED TUBE SAMPLING OF SOILS<sup>1</sup>



ASTM Designation: D 1587 - 67

This Standard of the American Society for Testing and Materials is issued under the fixed designation D 1587; the number immediately following the designation indicates the year of original adoption or, in the case of revision, the year of last revision. A number in parentheses indicates the year of last reapproval.

### 1. Scope

1.1 This method describes a procedure for using a thin-walled metal tube to recover relatively undisturbed soil samples suitable for laboratory tests. It is intended as a guide to more complete specifications to meet the needs of a particular job.

1.2 There are, in general, two types of samplers that use thin-walled tubes for sampling, namely, open-tube samplers, and piston samplers.<sup>2</sup> In general, piston samplers are better and can be used in almost all soils. Since the thin-walled tube requirements are the same for both types of samplers, the method described applies equally to both.

### 2. Apparatus

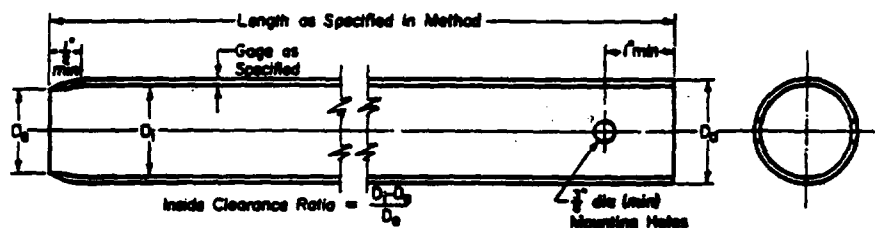
2.1 *Drilling Equipment*—Any drilling equipment may be used that provides a reasonably clean hole before insertion of the thin-walled tube; that does not disturb the soil to be sampled, and that can effect continuous and rapid penetration of the tube into the sampled soil.

2.2 *Thin-Walled Tubes*—Thin-walled tubes 2 to 5 in. (50.8 to 127 mm) in outside diameter and made of any materials

Under the standardization procedure of the Society, this method is under the jurisdiction of the ASTM Committee D-18 on Soil and Rock for Engineering Purposes. A list of members may be found in the ASTM Year Book.

Current edition issued Oct. 20, 1967. Originally issued 1965. Replaces D 1587 - 63 T.

<sup>1</sup> Hvorslev, M. J., *Surface Exploration and Sampling of Soils for Civil Engineering Purposes*, The Engineering Foundation, 345 East 47th St., New York, N. Y. 10017.



NOTE 1—Minimum of two mounting holes on opposite sides for 2 to 3 1/2 in. sampler.  
NOTE 2—Minimum of four mounting holes spaced at 90 deg for samplers 4 in. and larger.  
NOTE 3—Tube held with hardened screws.

TABLE OF METRIC EQUIVALENTS.

in.	mm	cm
3/4	6.77	...
1	25.4	2.54
2	...	5.08
3 1/2	...	8.89
4	...	10.16

FIG. 1—Thin-Walled Tube for Sampling.

having adequate strength and resistance to corrosion will be satisfactory (Fig. 1). Adequate resistance to corrosion can be provided by a suitable coating. Sizes other than these may be used, if specified.

2.2.1 Tubes shall be of such a length that between five and ten times the diameter is available for penetration into sands and between ten and fifteen diameters is available for penetration into clays. Tubes shall be round and smooth, without bumps, dents, or scratches. They shall be clean, and free from rust and dirt. Seamless or welded tubes are permissible, but welds must not project at the seam. The cutting edge shall be machined as shown in Fig. 1 and shall be free from

TABLE 1—SUITABLE THIN-WALLED STEEL SAMPLE TUBES.<sup>a</sup>

Outside diameter:	2	3	5
in.....	50.8	76.2	127
mm.....	...	...	...
Wall thickness:	18	16	11
Bwg.....	0.040	0.065	0.120
in.....	1.24	1.65	3.05
mm.....	...	...	...
Tube length:	36	36	54
in.....	0.91	0.91	1.45
m.....	...	...	...
Clearance ratio, per cent.....	1	1	1

<sup>a</sup> The three diameters recommended in Table 1 are indicated for purposes of standardization, and are not intended to indicate that sampling tubes of intermediate or larger diameters are not acceptable. Lengths of tubes shown are illustrative. Proper lengths to be determined as suited to field conditions.

nicks. The inside clearance ratio shall be between 0.5 and 3 per cent.

2.2.2 Two vent holes ( $\frac{3}{8}$  in. (9.1 mm) minimum) shall be provided in the sampler head. A coupling head with a check valve and a minimum of 0.6 in.<sup>2</sup> (3.9 cm<sup>2</sup>) venting to outside above check valve shall be used. Table 1 shows the dimensions of suitable thin-walled sample tubes.

2.3 *Sealing Wax*—Any wax shall be permitted for sealing that does not have appreciable shrinkage, or does not permit evaporation from the sample. Microcrystalline waxes are preferable to paraffin. Thin disks of steel or brass that are slightly smaller than the inside diameter of the tube are desirable for plugging both ends before sealing with wax. Cheesecloth and tape are needed. Suitable expanding packers may be used.

2.4 *Accessory Equipment*—Labels, data sheets, shipping containers, and other necessary supplies.

### 3. Procedure

3.1 Clean out the hole to sampling elevation using whatever method is preferred that will ensure that the material to be sampled is not disturbed. In saturated sands and silts withdraw the drill bit slowly to prevent loosening of the soil around the hole. Maintain the water level in the hole at or above ground water level.

3.2 The use of bottom discharge bits shall not be allowed but, any side discharge bit is permitted. The procedure of jetting through an open-tube sampler to clean out the hole shall not be allowed.

3.3 With the sampling tube resting on

the bottom of the hole and the water level in the boring at the ground water level or above, push the tube into the soil by a continuous and rapid motion, without impact or twisting. In no case shall the tube be pushed further than the length provided for the soil sample. Allow about 3 in. (75 mm) in the tube for cuttings and sludge.

3.4 When the soils are so hard that a pushing motion will not penetrate the sampler sufficiently for recovery, and where recovery by pushing in sands is poor, use a driving hammer to drive the sampler. In such a case, record the weight, height, and number of blows. Before pulling the tube turn it at least two revolutions to shear the sample off at the bottom.

3.5 Repeat the sampling procedures described at intervals not longer than 5 ft (1.5 m) in homogeneous strata and at every change of strata.

### 4. Preparation for Shipment

4.1 Upon removal of the sampler tube, measure the length of sample in the tube and also the length penetrated. Remove disturbed material in the upper end of the tube before applying wax and measure the length of sample again. After removing at least 1 in. (25 mm) of soil from the lower end, and after inserting an impervious disk, seal both ends of the tube with wax applied in a way that will prevent wax from entering the sample. Where tubes are to be shipped some distance, tape the ends to prevent breakage of the seals. It is advisable to place cheesecloth around the ends after sealing and dip the ends several times in the melted wax.

4.2 Affix labels to the tubes giving job designation, sample location, boring number, sample number, depth, penetration, and recovery length. Record a careful description of the soil, noting composition, structure, consistency, color, and degree of moisture. Mark the tube and boring numbers in duplicate.

4.3 Do not allow tubes to freeze, and store in a cool place out of the sun at all times. Ship samples protected with suitable resilient packing material to reduce shock, vibration, and disturbance.

4.4 Using soil removed from the ends of the tube, make a careful description giving composition, condition, color and, if possible, structure and consistency.

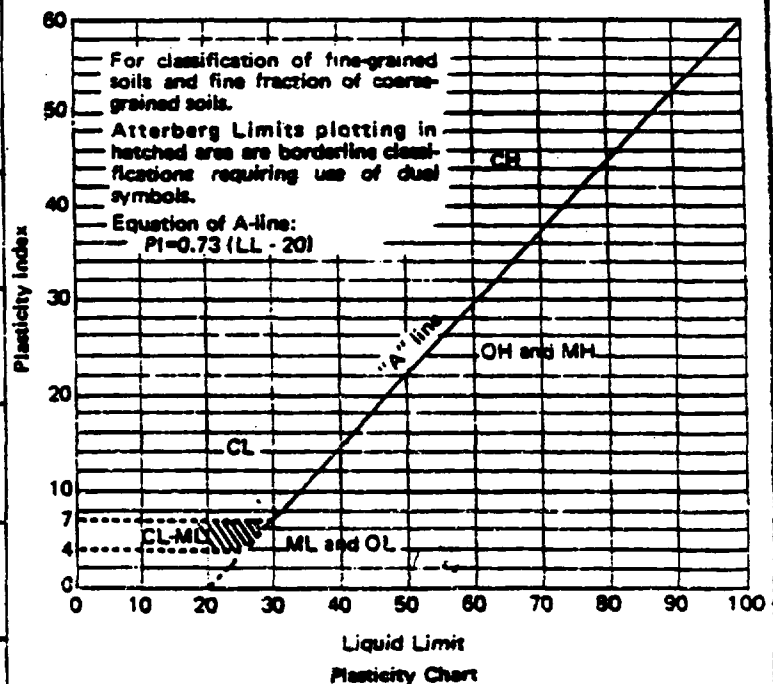
### 5. Report

5.1 Data obtained in borings shall be recorded in the field and shall include the following:

- 5.1.1 Name and location of job,
- 5.1.2 Date of boring—start, finish,
- 5.1.3 Boring number and coordinate, if available,
- 5.1.4 Surface elevation, if available,
- 5.1.5 Sample number and depth,
- 5.1.6 Method of advancing sampler, penetration and recovery lengths,
- 5.1.7 Type and size of sampler,
- 5.1.8 Description of soil,
- 5.1.9 Thickness of layer,
- 5.1.10 Depth to water surface; to loss of water; to artesian head; time at which reading was made,
- 5.1.11 Type and make of machine,
- 5.1.12 Size of casing, depth of cased hole,
- 5.1.13 Names of crewmen, and
- 5.1.14 Weather, remarks.

# UNIFIED SOIL CLASSIFICATION SYSTEM

Major divisions		Group symbols	Typical names	Laboratory classification criteria	
Coarse-grained soils (More than half of material is larger than No. 200 sieve size)		<b>Gravels</b> (More than half of coarse fraction larger than No. 4 sieve size)		<p>Determine percentages of sand and gravel from grain-size curve. Depending on percentage of fines (fraction smaller than No. 200 sieve size), coarse-grained soils are classified as follows:</p> <p>Less than 5 per cent ..... GW, GP, SW, SP                      More than 12 per cent ..... GM, GC, SM, SC                      5 to 12 per cent ..... Borderline cases requiring dual symbols</p>	
		Clean gravels (Little or no fines)	GW	Well-graded gravels, gravel-sand mixtures, little or no fines	$C_u = \frac{D_{60}}{D_{10}}$ greater than 4; $C_c = \frac{(D_{30})^2}{D_{10}D_{60}}$ between 1 and 3
		Gravels with fines (Appreciable amount of fines)	GP	Poorly graded gravels, gravel-sand mixtures, little or no fines	Not meeting all gradation requirements for GW
		Gravels with fines (Appreciable amount of fines)	GM	Silty gravels, gravel-sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4
			GC		Atterberg limits above "A" line with P.I. greater than 7
		Clean sands (Little or no fines)	SW	Well-graded sands, gravelly sands, little or no fines	$C_u = \frac{D_{60}}{D_{10}}$ greater than 6; $C_c = \frac{(D_{30})^2}{D_{10}D_{60}}$ between 1 and 3
			SP	Poorly graded sands, gravelly sands, little or no fines	Not meeting all gradation requirements for SW
		Sands with fines (Appreciable amount of fines)	SM	Silty sands, sand-silt mixtures	Atterberg limits below "A" line or P.I. less than 4
			SC		Atterberg limits above "A" line with P.I. greater than 7
		<b>Sands</b> (More than half of coarse fraction is smaller than No. 4 sieve size)		<p>Above "A" line with P.I. between 4 and 7 are <i>borderline cases</i> requiring use of dual symbols</p> <p>Limits plotting in hatched zone with P.I. between 4 and 7 are <i>borderline cases</i> requiring use of dual symbols.</p>	
Fine-grained soils (More than half of material is smaller than No. 200 sieve)		<b>Silts and clays</b> (Liquid limit less than 50)		ML	Inorganic silts and very fine sands, rock flour, silty or clayey fine sands or clayey silts with slight plasticity
				CL	Inorganic clays of low to medium plasticity, gravelly clays, sandy clays, silty clays, lean clays
				OL	Organic silts and organic silty clays of low plasticity
		<b>Silts and clays</b> (Liquid limit greater than 50)		MH	Inorganic silts, micaceous or diatomaceous fine sandy or silty soils, elastic silts
				CH	Inorganic clays of high plasticity, fat clays
				OH	Organic clays of medium to high plasticity, organic silts
		Highly organic soils	Pt	Peat and other highly organic soils	





**STS Consultants Ltd.**  
835 Midway Drive  
Willowbrook, Illinois 60521  
(312) 655-4540

October 5, 1982

Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois 60515

Attention: Mr. Alfred E. Gladding                      STS Job No. 10222-C

Reference: Hand Auger Borings on E Line for the Flexible Steel Lacing  
Addition in Downers Grove, Illinois

Gentlemen:

On August 11, 1982, our representatives performed 7 hand auger borings at the locations indicated on the attached location diagram. The purpose of the soil borings was to determine the degree of compaction of the fill overlying the fire protection line trench that runs approximately 4 feet below the footings on E Line between Column lines 3 and 10.

Our laboratory testing program consisted of performing moisture contents, unit dry weight, and hand penetrometer tests on representative samples, relatively undisturbed samples obtained from the Shelby Tube samplers.

Silty clay, trace sand and gravel, brown and gray fill material was encountered in all 7 borings. Traces of topsoil were encountered in the fill in Borings No. 1, 2, and 4. Clayey topsoil was encountered in Boring No. 7 at a depth of 2.5 feet below subgrade elevation.

Dry unit weight tests which were performed on samples of the fill indicated that the degree of compaction in the field was in the range of 80% to 100% when compared to the optimum dry unit weight of 121.9 pounds per cubic foot (PCF) as obtained by ASTM D-1557. However, higher degree compactions were obtained at the surface where maximum effort was applied at the time of the placement of the fill material.

Based on the available information, we recommend that this poorly compacted material be removed and that the trench be filled with granular material in lifts not to exceed 9 inches in loose thickness and compacted to 95% of the maximum density obtained in accordance with ASTM D-1557, Modified Proctor Method. The zone of compacted fill should extend beyond the outside edges of the footings a minimum of 1 foot and from this point outward laterally 1 foot for each foot of fill thickness required beneath the footings. As a second alternative, we recommend removal of all fill material and low strength soil down to an approved natural soil capable of supporting 4000 pounds per square foot (PSF) design bearing pressure and placing the foundation at this deeper elevation.

On August 17 and 19, our representative observed soil conditions at the bottom of the overexcavated footings on E Line between Columns 3 and 10. The contractor removed all fill material, including the abandoned fire protection pipe line from footings E-4, 5, 6, 7, 8, and 9 to depths ranging from 5 to 7 feet below the existing subgrade elevation. Material at these depths consisted of natural brown silty clay with unconfined strength ranging from 2.5 to 4.5 TSF as was indicated by a calibrated pocket penetrometer. We recommended to the contractor that water and loose material should be removed prior to concrete placement.

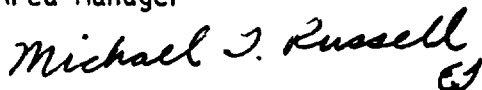
If you have any questions with regard to the information and recommendations presented in this letter, please do not hesitate to contact us.

Very truly yours,

STS CONSULTANTS LTD.



Varoujan V. Kazanjian  
Area Manager



Michael T. Russell, P.E.  
Principal Engineer

/et

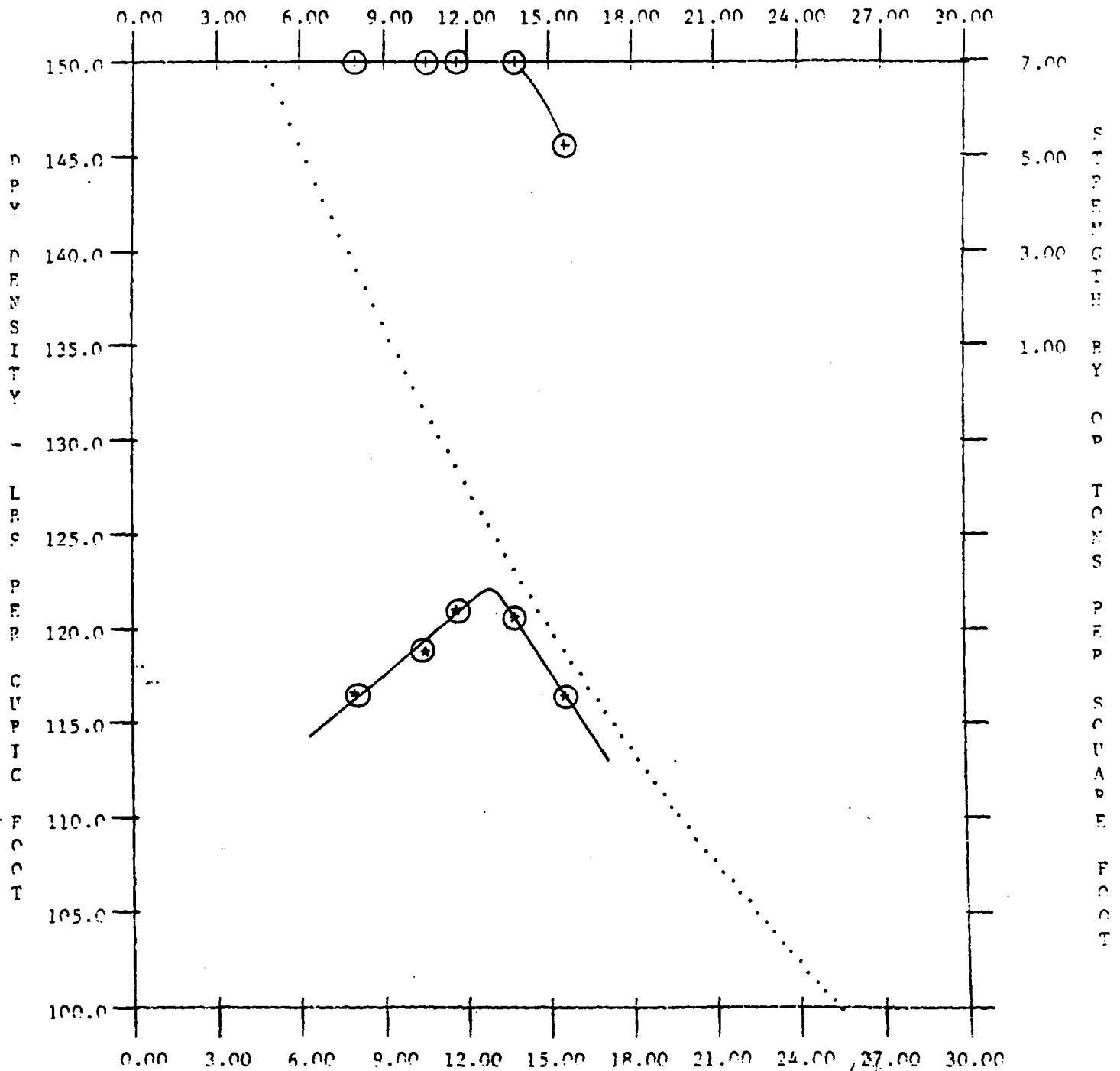
encls.

cc: Ewald Associates Architects, Ltd.  
457 Coventry Green  
Crystal Lake, Illinois 60014  
Attn: Mr. William H. Ewald

STS CONSULTANTS LTD.  
 JOB: 10222-G FLEXIBLE STEEL LACING CO. DATE: 8-13-87  
 SOIL DESC: SILTY CLAY, TRACE SAND, GRAVEL-BROWN (CL)  
 SAMPLE # 4  
 WATER CONTENT AS REC'D: 17.9 %

MAXIMUM DRY DENSITY (PCF) = 121.9  
 OPTIMUM WATER CONTENT (%) = 13.8  
 \* PROCTOR RESULTS  
 . ZERO AIR VOID CURVE FOR SC = 2.72  
 + PENETROMETER RESULTS-OP

MOISTURE-DENSITY RELATION OF SOILS  
 ASTM D 1557-70 MODIFIED PROCTOR METHOD A





## SOIL TESTING SERVICES, Inc.

 111 Pfingsten Road  
 Northbrook, Illinois
STS Job No 10222-CSHELBY TUBE TEST DATA SUMMARYJob Name and Location Flexible Steel Lacing Company, Downers Grove, IllinoisArchitect or Engineer Ewald Associates Architects, Ltd, Crystal Lake, IllinoisContractor Jenkins & Boller and Company, Downers Grove, Illinois

TEST LOCATION	SAMPLE DATE	DEPTH	SOIL DESCRIPTION	UNCONF STNG * TSP	WATER CONTENT % DRY WT	DRY DENSITY PCF	PERCENT COMPACT **	REMARKS
HA-1,	8/11/82	2.0'-	Silty clay, trace sand &	3.0-	17.1	116.2	95	Fill
S-1		3.0'	gravel - brown & slightly gray, CL (top 1" black top-soil)	3.7				
S-2	"	3.0'-	Silty clay, trace sand &	0.8-	19.5	110.5	91	Fill
		4.5'	gravel - brown & slightly gray (CL)	1.3				
HA-2,	"	1.0'-	Silty clay, trace sand &	3.2-	19.1	112.6	92	Fill
S-1		2.0'	gravel & topsoil - brown & gray & slightly black (CL)	4.5+				
			(horizontal seams of black topsoil)					
S-2	"	2.0'-	Silty clay, trace sand &	1.1-	19.9	110.3	90	Fill
		3.5'	gravel & topsoil - brown & gray & slightly black, (CL)	4.5+				
S-3	"	3.5'-	Silty clay, trace sand &	0.4-	21.2	103.3	85	Fill
		4.25'	gravel - brown & slightly gray (CL)	1.25				

NOTES: TEST LOCATIONS ARE ESTIMATED. ☒ SEE ATTACHED DRAWING. THE BOUNDARY BETWEEN SOIL TYPES IS ESTIMATED AND THE TRANSITION MAY BE GRADUAL. \* UNCONFINED COMPRESSIVE STRENGTH: ☒ QP, CALIBRATED HAND PENETROMETER. ☐ QU, LABORATORY APPARATUS. \*\* PERCENT COMPACTION BASED ON MAXIMUM DRY DENSITY OF 121.9 PCF (☒ SEE ATTACHED LAB SHEET) PERFORMED ACCORDING TO: ASTM D ☒ 1557, ☐ 698, ☐ ESTIMATED, ☐ OTHER \_\_\_\_\_.

DEPTHS ARE ESTIMATED FROM (REFERENCE): Subgrade elevation = 0.00'

DRILLING METHOD: ☐ TRUCK MOUNTED RIG. ☒ HAND AUGER. SAMPLING METHOD: THIN-WALLED TUBE SAMPLING OF SOILS, ASTM D 1587. SAMPLER IS 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH SHARP CUTTING EDGE. WL = WATER LEVEL DEPTH. B = BORING. S = SAMPLE. BN = BROWN. GY = GRAY. BK = BLACK. TS = TOPSOIL. CL = CLAY. SI = SILT. SA = SAND. GR = GRAVEL.



## SOIL TESTING SERVICES, Inc.

 111 Pfingsten Road  
 Northbrook, Illinois

 10222-C  
 STS Job No. \_\_\_\_\_

## SHELBY TUBE TEST DATA SUMMARY

 Job Name and Location Flexible Steel Lacing Company, Downers Grove, Illinois

 Architect or Engineer Ewald Associates Architects, Ltd., Crystal Lake, Illinois

 Contractor Jenkins & Boller and Company, Downers Grove, Illinois

TEST LOCATION	SAMPLE DATE	DEPTH	SOIL DESCRIPTION	UNCONF STNG * TSF	WATER CONTENT % DRY WT	DRY DENSITY PCF	PERCENT COMPACT **	REMARKS
HA-3,	8/11/82	1.0'-	Silty clay, little sand,	5.7-	13.5	124.7	100+	Fill
S-1		2.5'	trace gravel - brown (CL)	6.2				
HA-4,	"	1.0'-	Silty clay, trace sand &	6.0-	15.8	119.3	98	Fill
S-1		1.5'	gravel - brown & slightly gray (CL)	7+				
S-1A	"	1.5'-	Silty clay, trace sand &	2.8-	18.4	113.2	93	Fill
		2.5'	gravel - brown (CL)	4.5+				
S-2	"	2.5'-	Silty clay, trace sand &	1.25-	22.0	100.4	82	Fill
		3.0'	gravel & topsoil - brown (CL)	2.4				
S-3	"	4.0'-	Silty clay, trace sand &	0.4-	22.6	97.5	80	Fill
		5.5'	gravel - brown (CL) (disturbed)	0.8				
HA-5,	"	1.5'-	Silty clay, trace sand &	3.5-	20.8	114.1	94	Fill
S-1		3.0'	& gravel & shale - brown & gray (CL)	5.3				

NOTES: TEST LOCATIONS ARE ESTIMATED. ☒ SEE ATTACHED DRAWING. THE BOUNDARY BETWEEN SOIL TYPES IS ESTIMATED AND THE TRANSITION MAY BE GRADUAL. \* UNCONFINED COMPRESSIVE STRENGTH; ☒ QP, CALIBRATED HAND PENETROMETER, ☐ QU, LABORATORY APPARATUS. \*\* PERCENT COMPACTION BASED ON MAXIMUM DRY DENSITY OF 121.9 PCF (☒ SEE ATTACHED LAB SHEET PERFORMED ACCORDING TO: ASTM D ☒ 1557, ☐ 698, ☐ ESTIMATED, ☐ OTHER \_\_\_\_\_ DEPTHS ARE ESTIMATED FROM (REFERENCE): Subgrade elevation + 0.00'  
 DRILLING METHOD: ☐ TRUCK MOUNTED RIG. ☒ HAND AUGER. SAMPLING METHOD: THIN-WALLED TUBE SAMPLING OF SOILS, ASTM D 1587. SAMPLER IS 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WIT SHARP CUTTING EDGE. WL = WATER LEVEL DEPTH. B = BORING. S = SAMPLE. BN = BROWN. GY = GRAY. BK = SLACK. TS = TOPSOIL. CL = CLAY. SI = SILT. SA = SAND. GR = GRAVEL.

**SOIL TESTING SERVICES, Inc.**

**111 Pfingsten Road  
Northbrook, Illinois**

STS Job No. 10222-C

## SHELBY TUBE TEST DATA SUMMARY

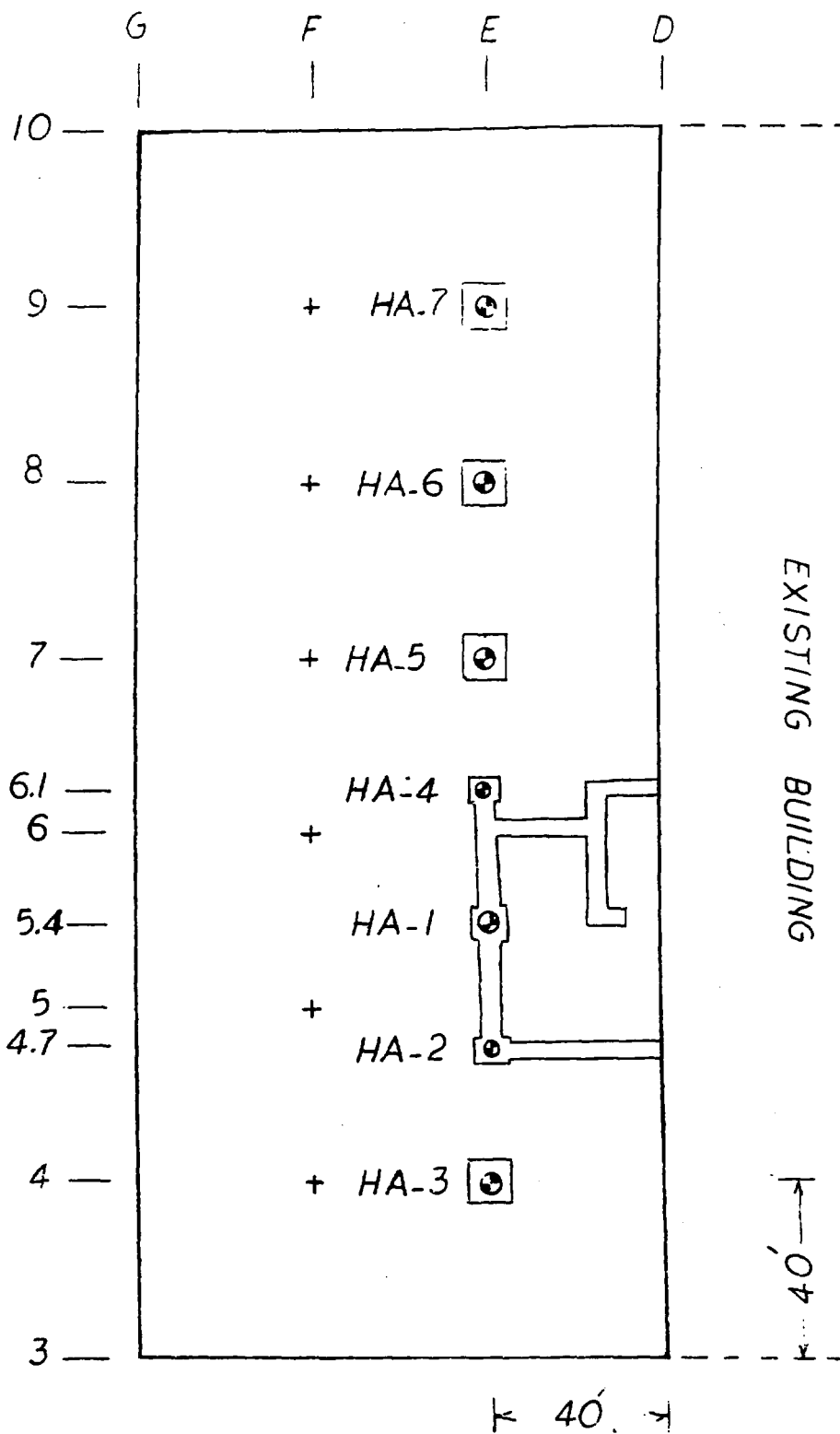
Job Name and Location Flexible Steel Lacing Company, Downers Grove, Illinois

Architect or Engineer Ewald Associates Architects, Ltd., Crystal Lake, Illinois

Contractor Jenkins & Boller and Company, Downers Grove, Illinois

[illegible]

NOTES: TEST LOCATIONS ARE ESTIMATED. ☒ SEE ATTACHED DRAWING. THE BOUNDARY BETWEEN SOIL TYPES IS ESTIMATED AND THE TRANSITION MAY BE GRADUAL. \* UNCONFINED COMPRESSIVE STRENGTH: ☒ QP, CALIBRATED HAND PENETROMETER. ☐ QU, LABORATORY APPARATUS. \*\* PERCENT COMPACTION BASED ON MAXIMUM DRY DENSITY OF 121.9 PCF ( ☒ SEE ATTACHED LAB SHEET ) PERFORMED ACCORDING TO: ASTM D ☒ 1557, ☐ 698, ☐ ESTIMATED, ☐ OTHER                     . DEPTHS ARE ESTIMATED FROM (REFERENCE): Subgrade elevation = 0.00'. DRILLING METHOD: ☐ TRUCK MOUNTED RIG. ☒ HAND AUGER. SAMPLING METHOD: THIN-WALLED TUBE SAMPLING OF SOILS, ASTM D 1587. SAMPLER IS 2" OD THIN-WALLED SEAMLESS OPEN-TUBE TYPE WITH SHARP CUTTING EDGE. WL = WATER LEVEL DEPTH. B = BORING. S = SAMPLE. BN = BROWN. GY = GRAY. BK = BLACK. TS = TOPSOIL. CL = CLAY. SI = SILT. SA = SAND. GR = GRAVEL.



FLEXIBLE STEEL LACING COMPANY ADDITION  
Downers Grove, Illinois  
HAND AUGER LOCATION DIAGRAM



STS Consultants Ltd.  
WILLOWBROOK, ILLINOIS

VVK	VVK	10/6/82	10222-C
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STS Consultants Ltd.  
835 Midway Drive  
Willowbrook, Illinois 60521  
(312) 655-4540

August 27, 1982

Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois 60515

Attention: Mr. Alfred E. Gladding STS Job No. 10222-C

Reference: Flexible Steel Lacing Company Addition in Downers Grove,  
Illinois

Gentlemen:

This report summarizes our part-time services provided on an as requested basis from June 10 through July 27, 1982. The contractor was notified of all test results and copies of our daily field reports were left at the job site for review.

During this progress report period, our field representatives observed the stripping of topsoil and performed field density tests on the silty clay fill placed in the area bordered by Lines 8-10 and D-G.

During the stripping operation, approximately 2 feet of topsoil was noted overlying a very stiff, brown silty clay material. We observed removal of black topsoil from the northern half of the addition and we recommended that all topsoil, soft and unsuitable material be removed from the remainder of the building area prior to any backfilling operation. All topsoil was later removed prior to backfilling.

#### Laboratory Tests

Three samples of a silty clay material were obtained at the site and returned to our laboratory for testing. Sample No. 1 with a maximum dry density of 110.8 pounds per cubic foot (PCF) and an optimum moisture content of 17.2% was used in all areas within the proposed structure. Sample No. 2 was used outside the structure in the roadway area and had a maximum dry density of 128.7 PCF and an optimum moisture content of 10.1%. Sample No. 3 was used both outside and inside the structure and had a maximum dry density of 121.6 PCF and an optimum moisture content of 12.7%. These tests were performed in accordance with ASTM D-1557, Modified Proctor, Method A.

### Field Compaction Tests

The major soil work performed at the site during this period has been the backfilling of the building area between Column Lines 8 and 10 from D to G, and the roadway leading to the loading dock. The degree of fill compaction was evaluated utilizing a nuclear density guage. Results of these tests along with location diagrams are included with this report.

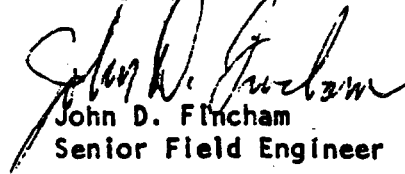
In the driveway area just north of the proposed structure, the excavated area was proofrolled with a heavy loaded truck. No significant deflection under this load was detected. The area was then backfilled in lifts approximately 8 inches in loose thickness. Test results in the driveway area ranged from 89% to 98% when compared with the maximum dry unit weight of 128.7 PCF, and an estimated average value of 122.0 PCF. Low test results that did not meet the specification's requirement of 95% of ASTM D-1557 were obtained in the driveway area at subgrade elevation 725.0'. On July 27, this area was retested and test results exceeded the required 95% compaction. However, prior to the placement of base course material, it is recommended that the loading dock and the driveway areas be carefully observed and proofrolled. Areas which indicate excessive deflection should be removed and new fill material be placed and compacted in accordance with the project specifications.

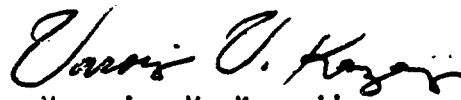
A low test result was obtained at subgrade elevation 730.0' at the southeast corner of the building between Column Line D-E and 3-4, (Test No. 30, Location Diagram #2). We recommended to the contractor that this area be scarified, recompacted, and retested prior to placement of subbase material.

If you have any questions concerning the information contained in this report, please do not hesitate to contact us. We appreciate this opportunity to be of service to you.

Sincerely,

STS CONSULTANTS LTD.

  
John D. Fincham  
Senior Field Engineer

  
Varoujan V. Kazanjian  
Area Manager

/et

encl.

cc: Ewald Associates Architects, Ltd.  
Mr. William H. Ewald

Jenkins & Bolter and Co.  
Mr. Richard Stanczak

JOB: 10222-C FLEXIBLE STEEL LACING DATE: 6-18-82

SOIL DESC: SILTY CLAY, TRACE GRAVEL, SAND-BROWN(CH)

SAMPLE # 1

PROPOSED USE: SLAB

WATER CONTENT AS REC'D: 22.1 %

MAXIMUM DRY DENSITY [PCF] = 110.8

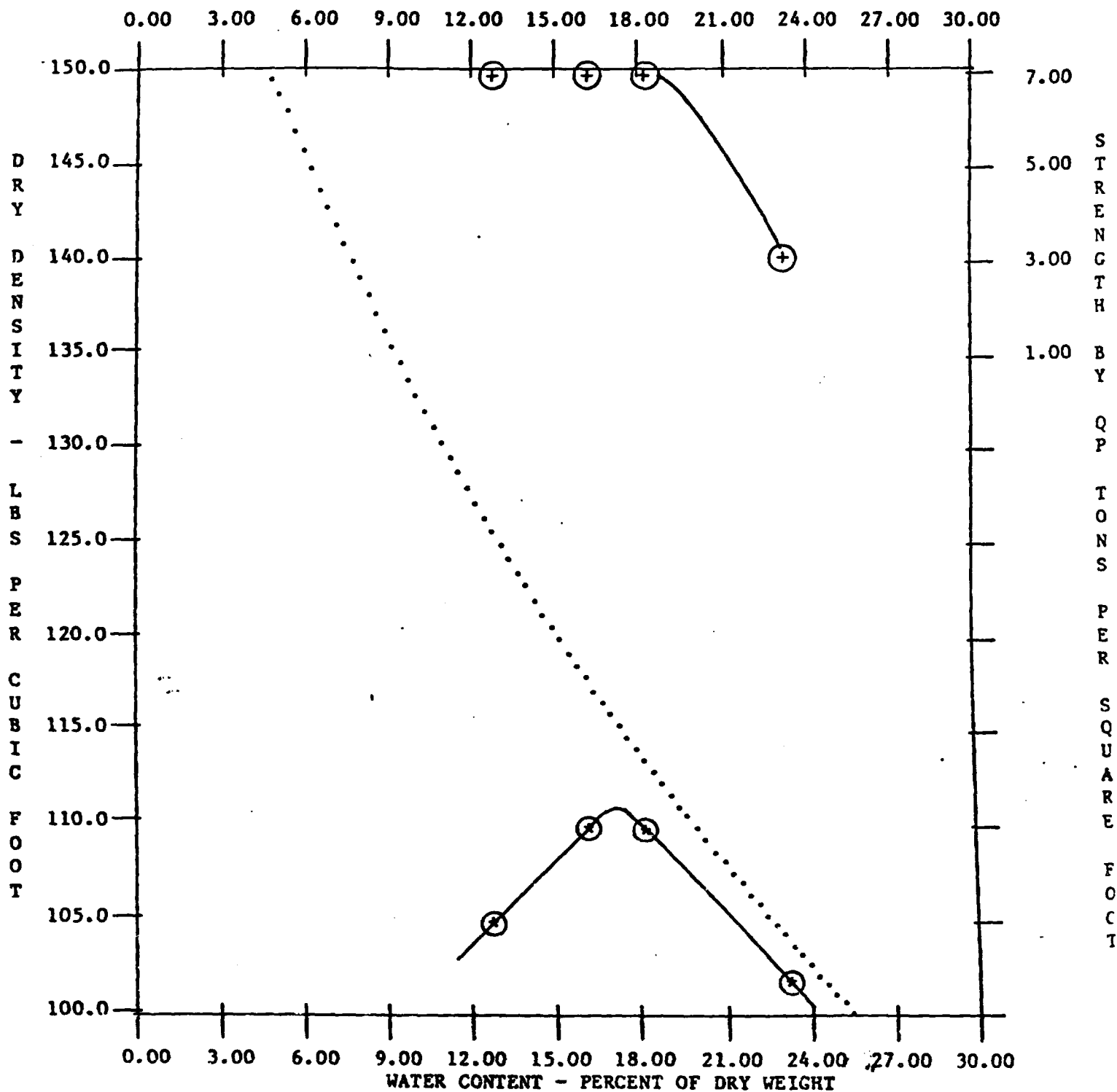
OPTIMUM WATER CONTENT [%] = 17.2

\* PROCTOR RESULTS

. ZERO AIR VOID CURVE FOR SG = 2.72

+ PENETROMETER RESULTS-QP

MOISTURE-DENSITY RELATION OF SOILS  
ASTM D 1557-70 MODIFIED PROCTOR METHOD A

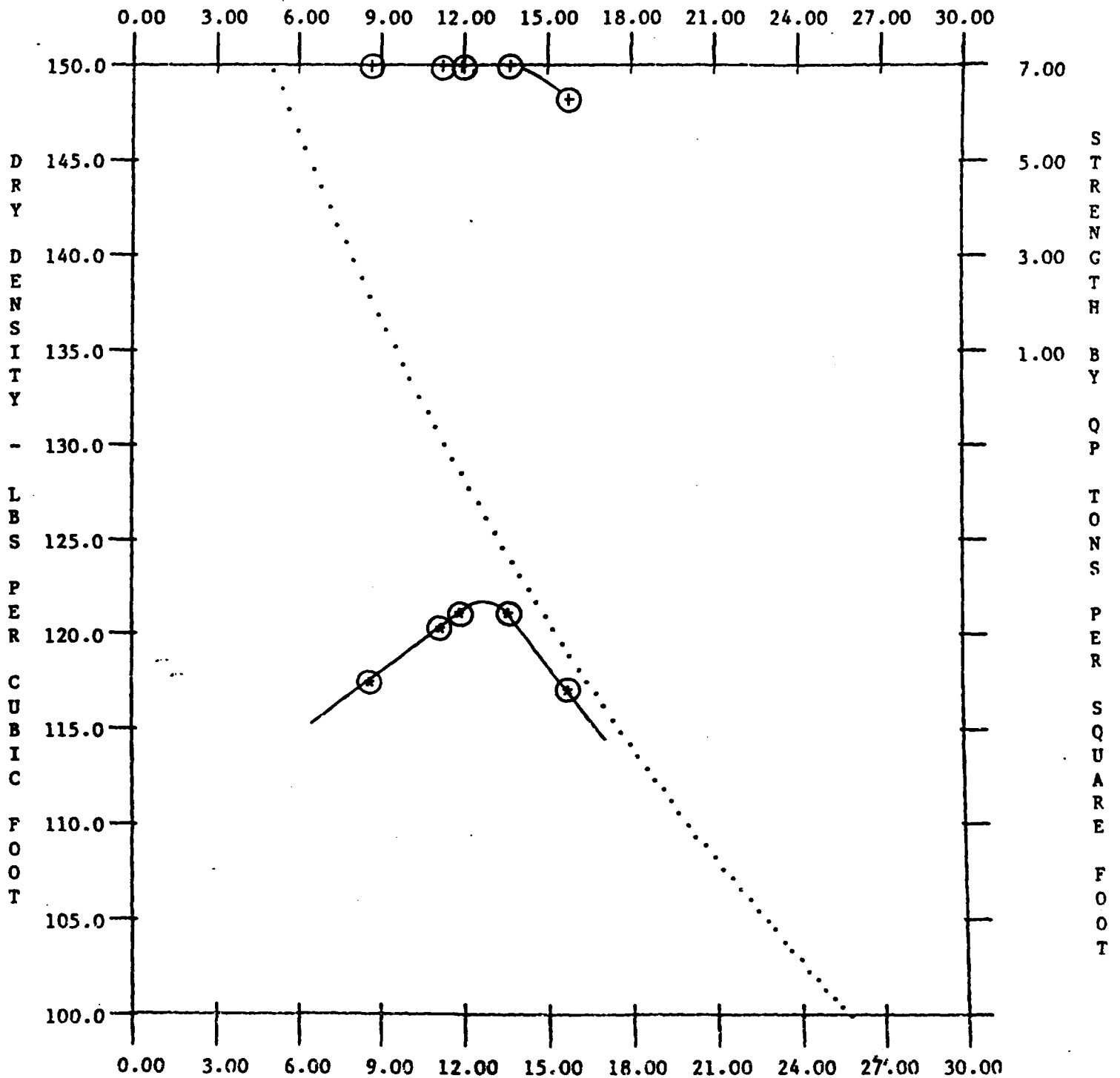


CASE	AVG W/C %	QP TSF	DRY DENSITY LBS/FT3	CASE	AVG W/C %	QP TSF	DRY DENSITY LBS/FT3
1	12.8	7	105.11	3	18.3	7	109.78
2	16.3	7	110.07	4	23.3	3	101.49

STS CONSULTANTS LTD.  
 JOB: 10222-C FLEXIBLE STEEL LACING DATE: 7-29-82  
 SOIL DESC: SILTY CLAY, TRACE SAND, GRAVEL-BROWN(CL)  
 SAMPLE # 3  
 PROPOSED USE: ROADWAY  
 WATER CONTENT AS REC'D: 12.2 %

MAXIMUM DRY DENSITY [PCF] = 121.6  
 OPTIMUM WATER CONTENT [%] = 12.7  
 \* PROCTOR RESULTS  
 . ZERO AIR VOID CURVE FOR SG = 2.74  
 + PENETROMETER RESULTS-QP

MOISTURE-DENSITY RELATION OF SOILS  
 ASTM D 1557-70 MODIFIED PROCTOR METHOD A





STS Consultants Ltd.  
835 Midway Drive  
Willowbrook, Illinois 60521  
(312) 655-4540

Northbrook Phone: 272-6520

S.T.S. Job No. 10222-C

# FIELD COMPACTION SUMMARY

Job Name and Location Flexible Steel Lacing Company, Downers Grove, Illinois

Architect or Engineer Ewald Associates Architects, Ltd.

Contractor Jenkins, Boller & Company, Waukegan, Illinois

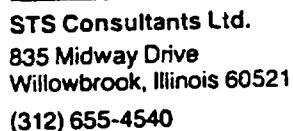
Method of Field Density Measurement ☐ Sand Cone Method  
☒ Nuclear Method  
☐ \_\_\_\_\_

DATUM \_\_\_\_\_

TEST NO.	1982 DATE	LOCATION	LIFT NO. OR ELEV.	MTL. MARK	MAXIMUM LAB DRY DENSITY	WATER CONTENT	IN-PLACE DRY DENSITY	PERCENT COMPACTION	COMMENTS
1	6/16	See Diagram #1	728'	#1	110.8	22.0	102.0	92	
2	6/21	"	729'	"	"	21.5	104.2	94	
3	"	"	"	"	"	19.6	107.8	97	
4	"	"	"	"	"	17.3	110.3	100	
5	"	"	"	"	"	18.0	106.6	96	
6	"	"	"	"	"	17.1	109.3	99	
7	6/22	"	730'	"	"	17.4	111.4	100	
8	"	"	"	"	"	19.1	110.2	99	
9	"	"	728'	"	"	17.0	107.4	97	
10	"	"	"	"	"	16.9	111.1	100	Retest #1
11	"	"	727'	"	"	18.4	107.2	97	
12	"	"	"	"	"	16.6	110.5	100	
13	"	"	"	"	"	17.6	106.3	96	
14	6/23	"	730'	"	"	18.6	107.1	97	
15	"	"	"	"	"	18.8	109.7	99	
16	"	"	729'	"	"	17.7	108.6	98	
17	"	"	730'	"	"	18.0	106.2	96	
18	"	"	729'	"	"	17.1	111.3	100	
19	"	"	730'	"	"	16.9	110.8	100	
20	"	"	"	"	"	17.8	109.7	99	
21	"	"	"	"	"	16.0	112.1	100	

NOTES: Densities shown: lbs. per cubic foot.  
Water Content: Percent of dry weight.  
Elevations and Locations: Estimated.

Percent Compaction: Based on maximum dry density obtained on a sample indicated by material mark or ☐ estimated.  
See attached Laboratory Compaction Report.



S.T.S. Job No. 10222-C

Job Name and Location Flexible Steel Lacing Company, Downers Grove, Illinois

Architect or Engineer Ewald Associates Architects, Ltd.

Contractor Jenkins, Boller & Company, Waukegan, Illinois

### Method of Field Density Measurement

☐ Sand Cone Method

### Nuclear Method

**DATUM** \_\_\_\_\_

12-066

**NOTES:** Densities shown: lbs. per cubic foot  
Water Content: Percent of dry weight  
Elevations and Locations: Estimated

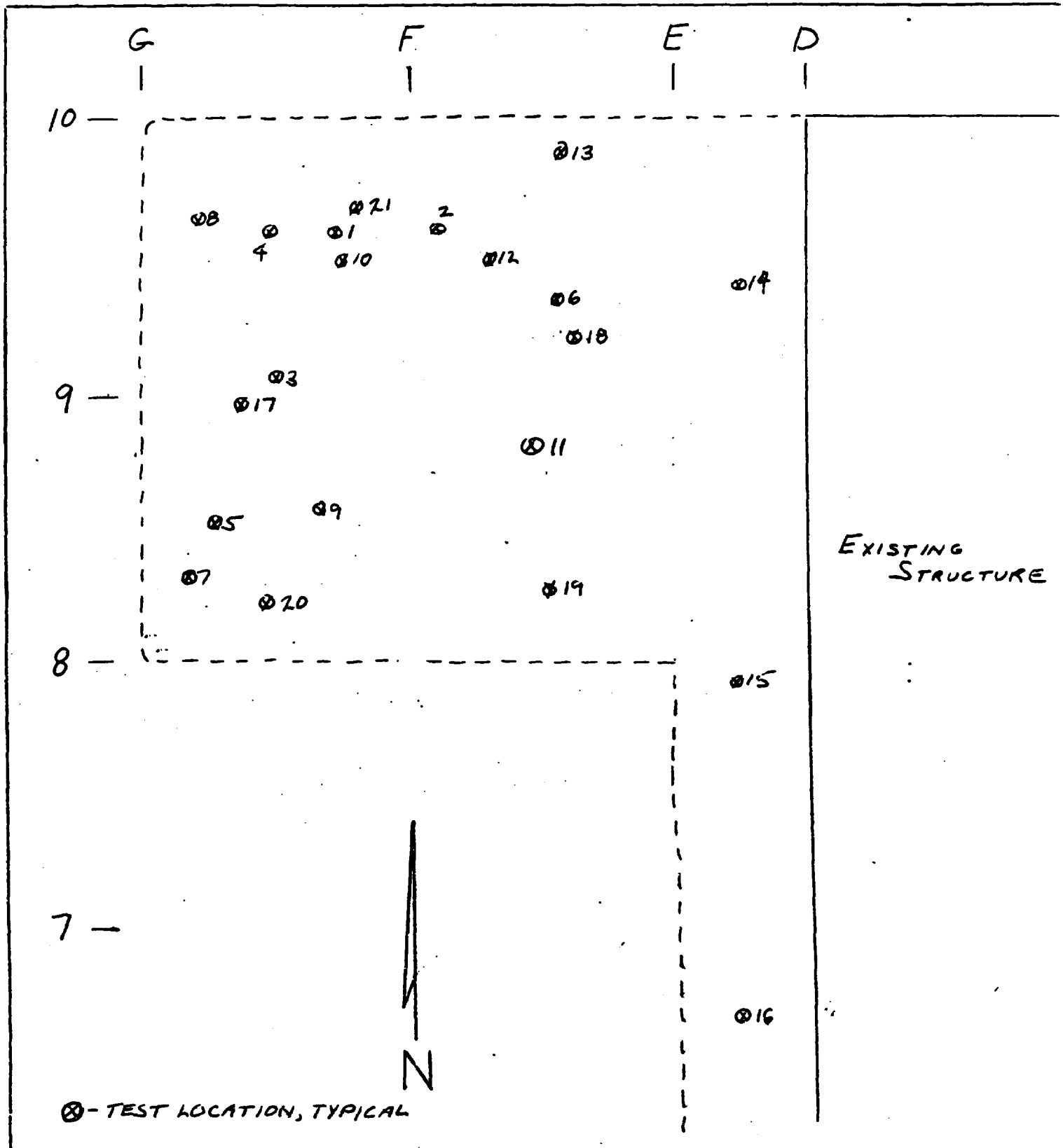
**Percent Compaction:** Based on maximum dry density obtained on a sample indicated by material mark or ☐ estimated. See attached Laboratory Compaction Report.



## SOIL TESTING SERVICES, Inc.

111 Pfingsten Road  
Northbrook, IllinoisSTS Job No. 10222-C

## LOCATION DIAGRAM #1

Job Name FLEXIBLE STEEL LACING CO., DOWNERS GROVE, ILLINOIS

NOTE: THIS DRAWING IS NOT TO SCALE - ALL LOCATIONS ARE ESTIMATED.

12-067

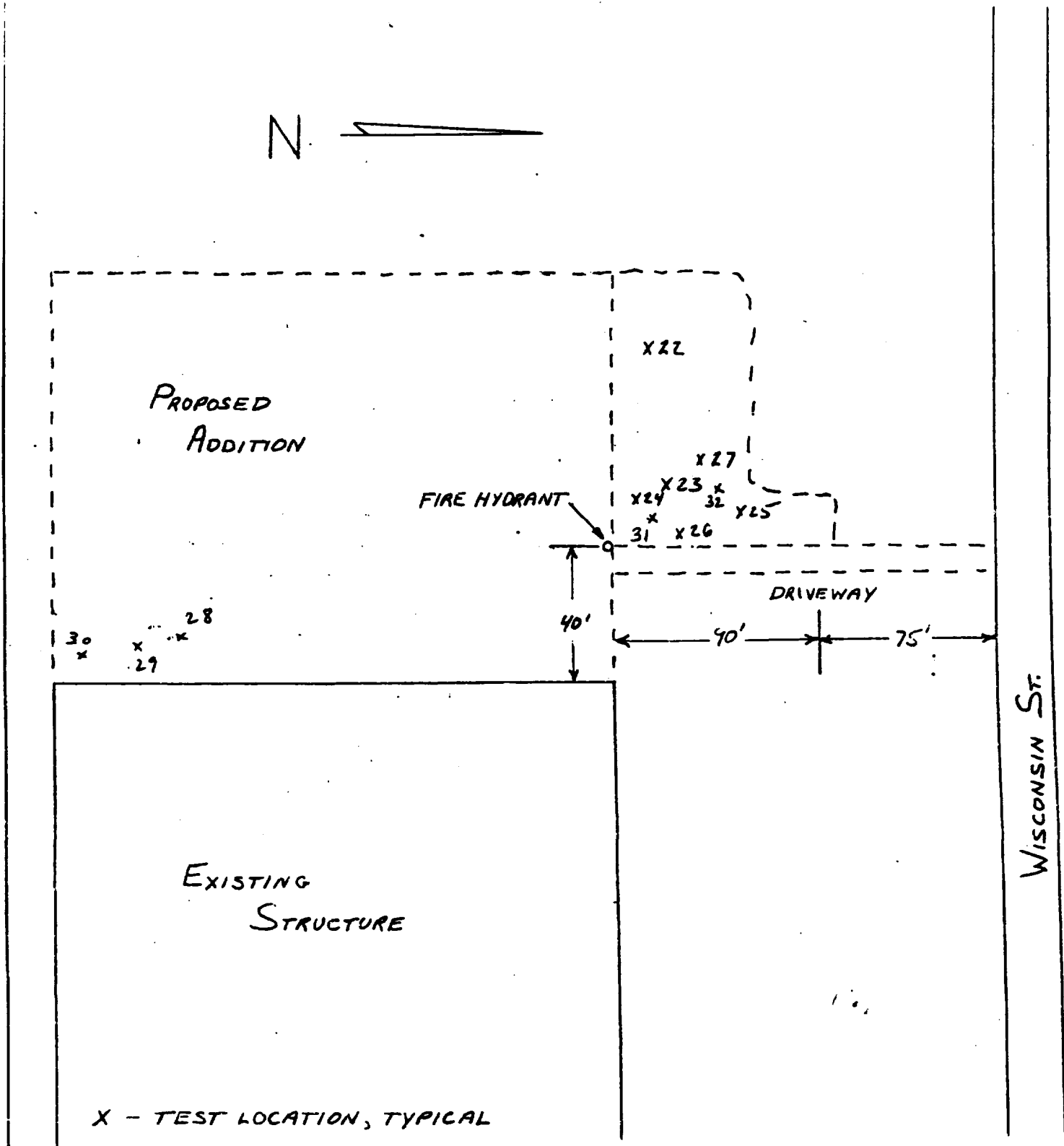
10-001




## SOIL TESTING SERVICES, Inc.

111 Pfingsten Road  
Northbrook, IllinoisSTS Job No. 10222-C

## LOCATION DIAGRAM #2

Job Name FLEXIBLE STEEL LACING CO., DOWNERS GROVE, ILLINOIS

**Flexible Steel Lacing Company**

2525 Wisconsin Avenue • Downers Grove, Illinois 60515 USA • Phone 312-971-0150 • Telex 72-8383 • Cable Steelace 

July 30, 1965

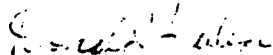
Downers Grove Sanitary District  
2710 Curtiss Street  
Downers Grove, IL 60515

Gentlemen:

Enclosed please find a copy of our solvent management  
and accidental spill disposal report plans.

If you have any questions, please feel free to contact  
me.

Sincerely,



Donald Julen  
General Foreman

11-003

*-Amir... hoff... -kor 5 uem-*

EST 076

Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, IL 60515

ACCIDENTAL SPILL DISPOSAL AND REPORTING PLAN

- 1.) Donald Julen, General Foreman, is responsible for the accidental spill disposal and reporting plan.
- 2.) Storage areas are inspected weekly and inspection is documented. Clean-up of any accidental spill can normally be handled in-house. Professional assistance will be obtained should spill be more than can be contained within.
- 3.) Written instructions and annual training, inform our employees.
- 4.) In the event of a discharge, the Department Supervisor, General Foreman, Vice President-Manufacturing and President shall be notified immediately.

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1987

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed by: DON JULEN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julien

Title: V.P. MFG Date: 7/14/87

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1987

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed by: DON JULEN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julen

Title: V.P. Mfg. Date: 1/2/88

TO: Downers Grove Sanitary District

SUBJECT: Semi-Annual Accidental Spill Report

Based on my inquiry of the person directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that, to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the waste waters since filing the last Accidental Spill Disposal Report. I further certify that this facility is implementing the Solvent Management Plan submitted to the District.

\_\_\_\_\_  
DATE: \_\_\_\_\_

Flexible Steel Lacing Company  
~~2525 Wisconsin Avenue~~  
Downers Grove, IL 60515

TO: Downers Grove Sanitary District

SUBJECT: Spill Report

On \_\_\_\_\_ a spill occurred at this facility. \_\_\_\_\_  
gallons of \_\_\_\_\_ entered the waste water system. The  
balance of the material was contained and was cleaned up and disposed  
of in a proper manner.

DATE: \_\_\_\_\_

~~Flexible Steel Lacing Company~~

2525 Wisconsin Avenue  
Downers Grove, IL 60515

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
Reporting Period: January 1 through June 30, 1986

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report completed by: DON JULEN

Title: SUPERINTENDENT

Phone No. 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions have been taken to prevent a recurrence.

(please attach additional pages)

If no discharge occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the solvent management plan submitted to the District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Date: 6/20/86

Signature: Don Julien

Title: Superintendent

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1986

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN AVE

DOWNERS GROVE IL 60515

Report Completed by: DON TULEN

Title: SUPERINTENDENT Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON TULEN  
(Type of Print)

Signature: Don Tulen

Title: Superintendent Date: 1/12/87

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1987

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed by: DON JULEN

Title: V.P. MFG.

Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julen

Title: V.P. MFG

Date: 7/14/87

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1987

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed by: DON JULEN

Title: V.P. MFG.

Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN

(Type or Print)

Signature: Don Julen

Title: V.P. Mfg.

Date: 1/7/88

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1, Through June 30, 1988

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed by: DON JULEN

Title: V. P. MFG Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julen

Title: V. P. MFG Date: 7/19/88

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1, Through December 31, 1988

RECEIVED  
JAN 30 1989

Company Name: FLEXIBLE STEEL LACING CO.

Address: 2525 WISCONSIN AVE.

DOWNERS GROVE  
SANITARY DISTRICT

DOWNERS GROVE, IL.

Report Completed by: ROBERT HAFEL

Title: GENERAL FOREMAN

Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; when and what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Solvent Management Plan submitted to The Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: ROBERT HAFEL

(Type or Print)

Signature: Robert Hafel

Title: GENERAL FOREMAN

Date: 1/26/89

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1, Through June 30, 1989

7/13/89

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed by: DON JULIAN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULIAN  
(Type or Print)

Signature: Don Julian

Title: V.P. MFG.

Date: 7/13/89

7-11-90  
1-10-90

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1, Through December 31, 1989

Company Name: FLEXIBLE STEEL LINING CO

Address: 1525 W. SCHOENLIN

DOWNERS GROVE IL

Report Completed by: DON TULEN

Title: V.P. MFG Phone: 971-0100

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON TULEN  
(Type or Print)

Signature: Don Tuleen

Title: V.P. MFG Date: 1-10-90

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1, Through June 30, 1990

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN, DOWNERS GROVE IL

Report Completed by: DON JULEN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julien

Title: V.P. Mfg Date: 7/12/90

MAILED  
1/17/91

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1, Through December 31, 1990

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN AVE

DOWNERS GROVE IL

Report Completed by: DON JULEN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Type or Print)

Signature: Don Julien

Title: V. P. MFG

Date: 1/17/91

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1, Through June 30, 1991

7/12/91  
MAILED

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN AVE

DOWNERS GROVE IL

Report Completed by: DON JULEN

Title: V.P. MFG

Phone: 971-0150

Describe the occurrence of any discharges of prohibited materials to the sanitary sewer system. Include the date, time, type of material discharged, its volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional pages)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X "Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been used or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill Containment, or Solvent Management Plan, submitted to the Downers Grove Sanitary District."

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN

Signature: Don Julen

Title: V.P. MFG.

Date: 7/12/91

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 Through December 31, 1991

received 1/17/92

Company Name: FLEXIBLE STEEL LACING

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed By: DON JULEN

Title: V.P. MFG. Phone: 971 0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julien

Title: V.P. MFG Date: 1/17/92

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 Through June 30, 1992

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed By: DON TULEN

Title: V.P. MFG Phone: 971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON TULEN  
(Please type or print name)

Signature: Don Tulen

Title: V.P. MFG Date: 7/10/92

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1992

Company Name: FLEXIBLE STEEL LACING CO.

Address: 2525 WISCONSIN  
DOWNERS GROVE IL

Report Completed By: DON JULEN

Title: V.P. MFG. Phone: 9710150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julen

Title: V.P. mfg. Date: 1/20/93

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1993

Company Name: FLEXIBLE STEEL LACING CO  
Address: 2525 WISCONSIN AVE  
DOWNERS GROVE IL

Report Completed By: Don Juleu

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEU  
(Please type or print name)

Signature: Don Juleu

Title: V.P. MFG Date: 8/25/93

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1993

Company Name: FLEXIBLE STEEL LACING CO.

Address: 2525 WISCONSIN AVE

DOWNERS GROVE IL

Report Completed By: DON JULEN

Title: V.P. MFG Phone: 971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julien

Title: V.P. MANUFACTURING Date: 1/12/94

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1994

Company Name: FLEXIBLE STEEL LACING CO  
Address: 2525 WISCONSIN  
DOWNERS GROVE IL 60515  
Report Completed By: DON JULEN  
Title: V.P. MFG. Phone: 971 0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company name above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julen  
Title: V.P. MFG. Date: 7/15/94

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1994

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed By: DON JULEN

Title: V.P. MFG Phone: 971-6150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julen

Title: V.P. MFG Date: 3/23/94

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1995

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed By: DON JULEN

Title: V.P. MFG.

Phone: ~~971~~ 9710150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN

(Please type or print name)

Signature: Don Julen

Title: V.P. MFG.

Date: 7/5/95

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1995

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL 60515

Report Completed By: DON JULEN

Title: V.P. MFG Phone: 708 971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julen

Title: V P MFG Date: 2/21/96

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1996

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed By: DON JULEN

Title: V.P. MFG. Phone: 708-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a recurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julen

Title: V.P. MFG. Date: 7/26/96

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
July 1 through December 31, 1996

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed By: DON JULEN

Title: U.P. MFG. Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

X Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON JULEN  
(Please type or print name)

Signature: Don Julien

Title: U.P. MFG Date: 1/23/97

DOWNERS GROVE SANITARY DISTRICT  
Prohibited Materials Discharge Report  
January 1 through June 30, 1997

Company Name: FLEXIBLE STEEL LACING CO

Address: 2525 WISCONSIN

DOWNERS GROVE IL

Report Completed By: DON TULEN

Title: V.P. MFG. Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time type of material discharged, the volume and concentration; what authorities were notified of the discharge; what actions were taken to control and clean up the material; and what actions were taken to prevent a reoccurrence.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below.

☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental spill disposal and reporting requirements, I certify that to the best of my knowledge and belief, no solvents or toxics have been dumped or spilled into the wastewaters since filing the last "Prohibited Materials Discharge Report". I further certify that this facility is implementing the Spill containment, or solvent management plan, submitted to the Downers Grove Sanitary District.

All reports must be signed by an Authorized Agent of the company named above:

Name of Authorized Agent: DON TULEN  
(Please type or print name)

Signature: Don Tulen

Title: V.P. MFG. Date: 7/12/97

**DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
July 1 through December 31, 1997**

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

NONE

(please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: V.P. MFG  
(Please type or print name)

Signature: Don Julen Date: 1/9/98

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
January 1 through June 30, 1998

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

NONE

(please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: V.P. MFG.  
(Please type or print name)

Signature: Don Julen Date: 7/6/98

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
July 1 through December 31, 1998

mailed 2/4/99

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG. Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

None

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ♦ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: V.P. MFG.  
(Please type or print name)

Signature: Don Julien Date: 2/4/99

MAILLED  
7/6/99

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT

January 1 through June 30, 1999

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG. Phone: 971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: V.P. MFG.  
(Please type or print name)

Signature: Don Julien Date: 7/6/99

mailed  
1/17/00

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
July 1 through December 31, 1999

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG Phone: 971.0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: V.P. MFG.  
(Please type or print name)

Signature: Donald Julien Date: 1/17/00

made  
7/25/00

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT

January 1 through June 30, 2000

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: DON JULEN

Title: V.P. MFG. Phone: 971 0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

None

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: DON JULEN Title: VP MFG.  
(Please type or print name)

Signature: Don Julen Date: 7/25/00

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT

January 1 through June 30, 2001

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: Curtis A. J. Allbrecht

Title: Industrial Engineer Phone: 630.971.0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

NONE

(Please attach additional sheets)

If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

- ◆ ☒ Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: Curtis A. J. Allbrecht Title: Industrial Engr.  
(Please type or print name)

Signature: Curtis A. J. Allbrecht Date: 8-1-01

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
July 1 through December 31, 2000

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: ROBERT HAFELY

Title: MANUFACTURING MANAGER Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

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(Please attach additional sheets)

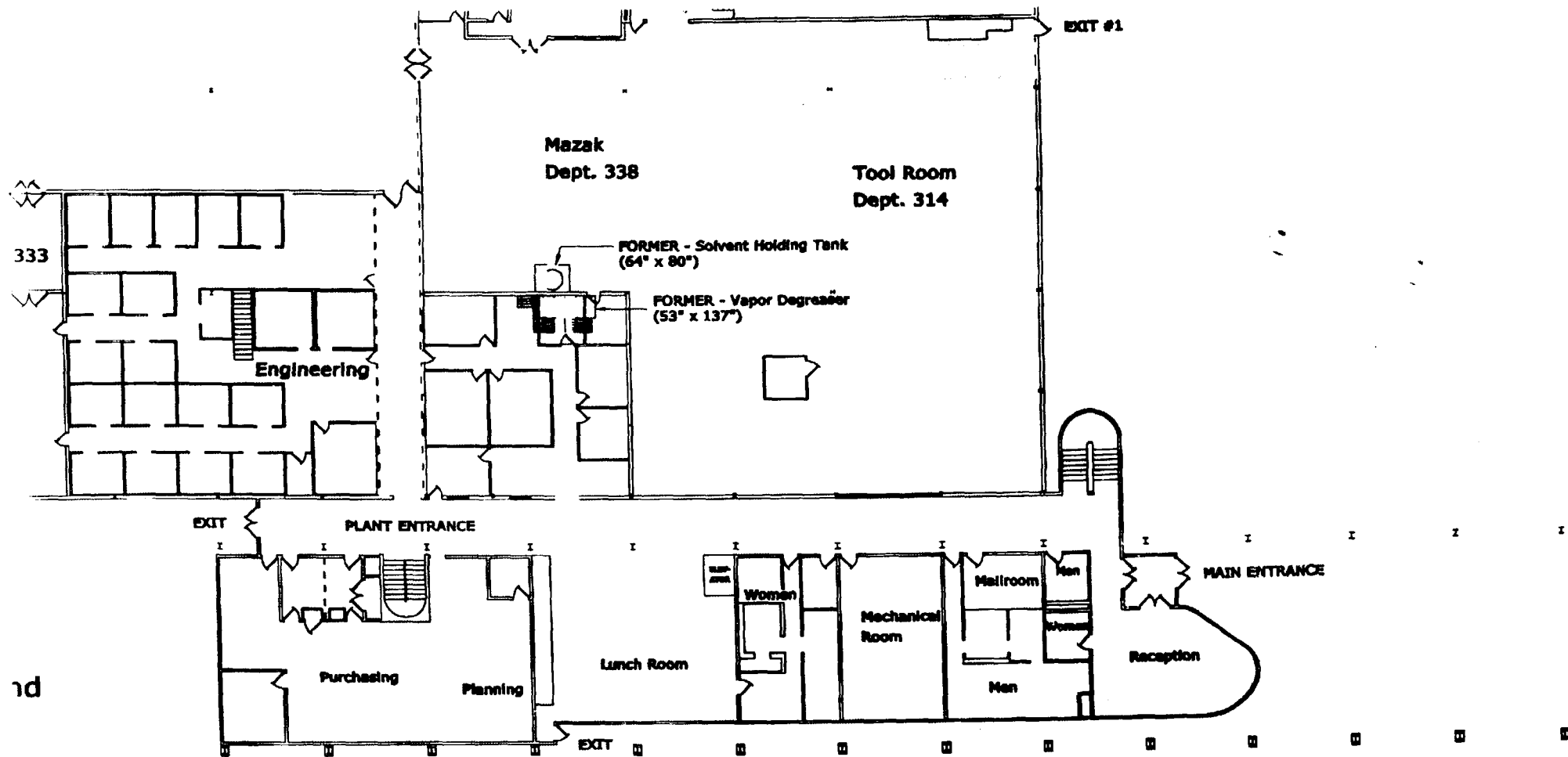
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

♦ ☒ ARH Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.

The report must be signed by an authorized agent of the company named above:

Authorized Agent: ROBERT HAFELY Title: MANUFACTURING MANAGER  
(Please type or print name)

Signature: Robert Hafely Date: 1/16/01



08-001

DOWNERS GROVE SANITARY DISTRICT  
PROHIBITED MATERIALS DISCHARGE REPORT  
July 1 through December 31, 2000

Company: FLEXIBLE STEEL LACING COMPANY

Location: 2525 Wisconsin Downers Grove, IL 60515

This Report was completed by: ROBERT HAFELY

Title: MANUFACTURING MANAGER Phone: 630-971-0150

Describe the occurrence of any discharges of materials prohibited from discharge to the sanitary sewer system. Include the date, time and type of materials discharged; the amount; who was notified at the time; how the spill was contained and cleaned up; and the method of disposal for the spilled materials. Please reference any reports filed with the District.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

(Please attach additional sheets)

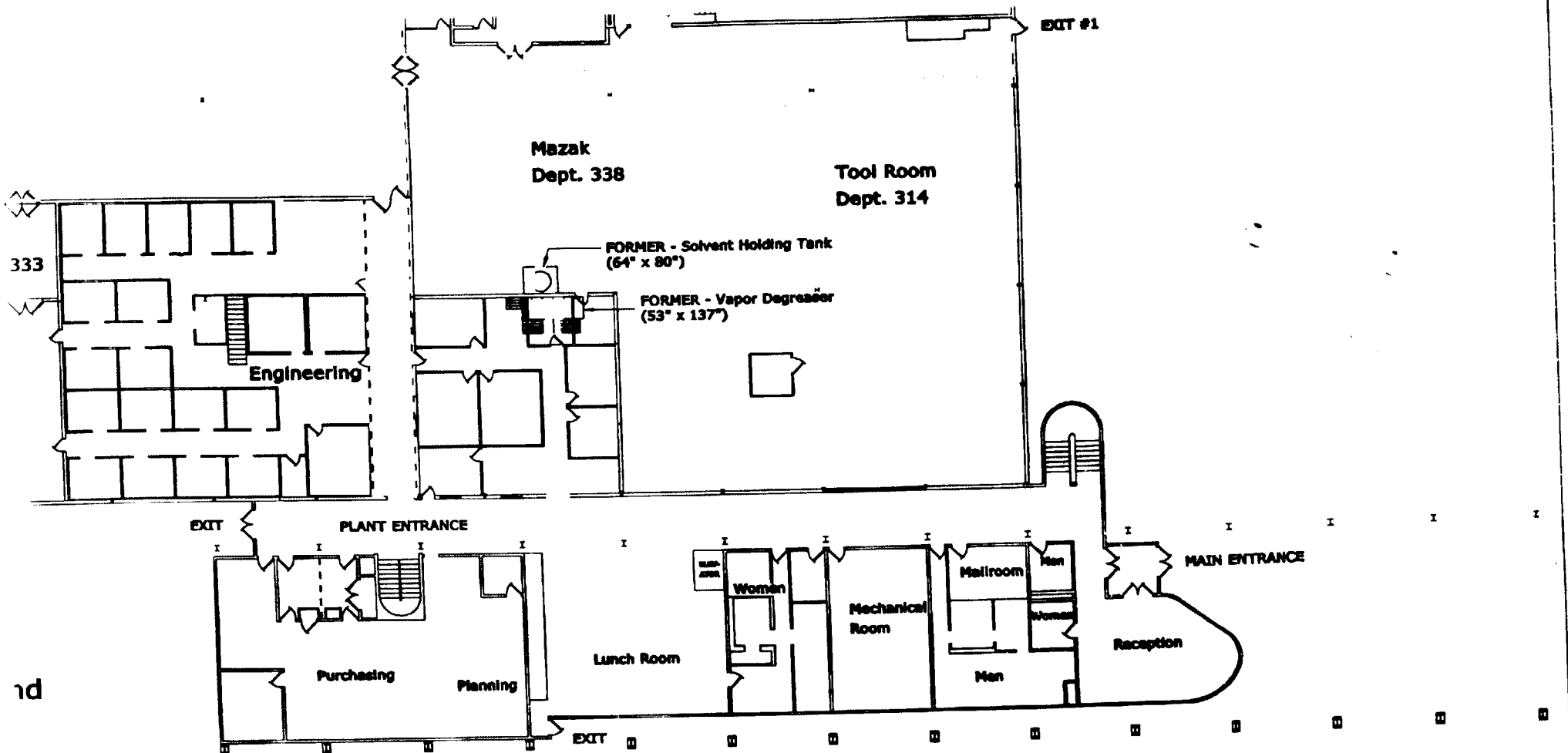
If no discharges occurred during the reporting period, please indicate that by checking the certification statement below:

☒ **Based on my inquiry of the person or persons directly responsible for managing compliance with the accidental discharge reporting requirements, I certify that to the best of my knowledge and belief, no prohibited materials have been dumped or spilled into the wastewaters since filing the last Prohibited Materials Discharge Report. I further certify that this facility is implementing the Spill Containment and Control Plan submitted to the District.**

The report must be signed by an authorized agent of the company named above:

Authorized Agent: ROBERT HAFELY Title: MANUFACTURING MANAGER  
(Please type or print name)

Signature: Robert Hafely Date: 1/16/01



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EXIT #3



UPS  
Shipping

Freight  
Shipping

Heavy Duty Packaging  
Dept. 324

Finished Goods  
Dept. 318

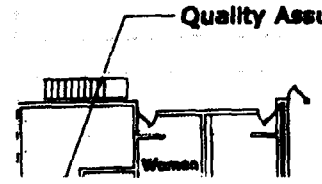
Export  
Shipping

EXIT #2

Heavy Duty Processing  
Dept. 324

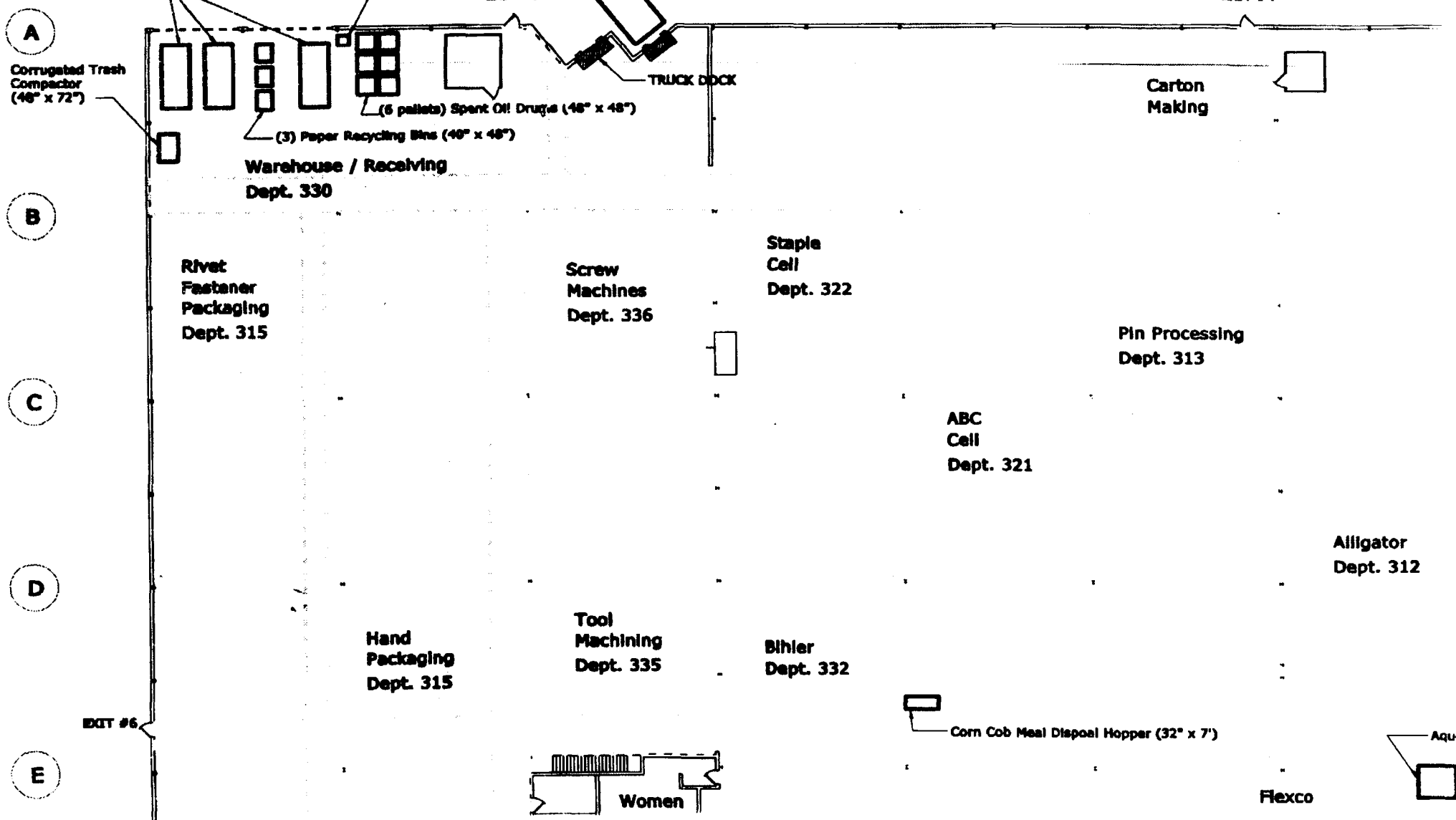
Quality Assurance

us Parts Washer - Conveyor (7' x 8')



Heavy Duty Processing

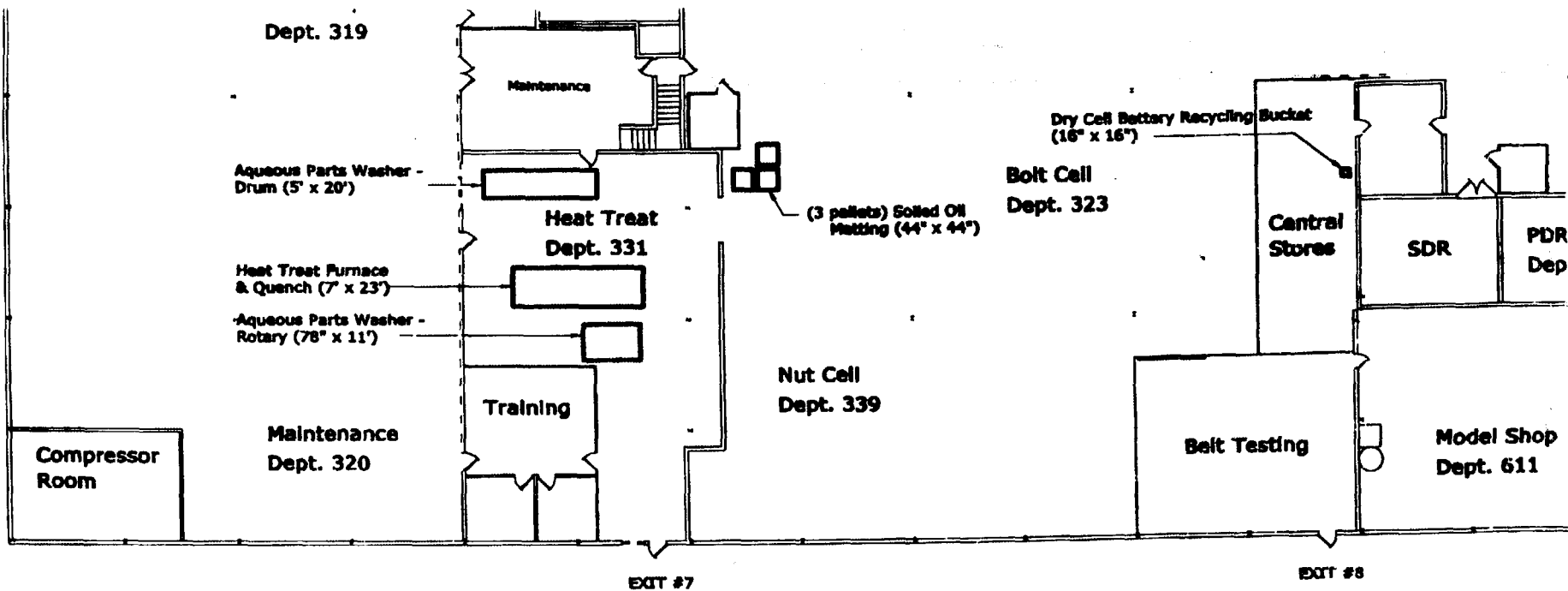
1 2 3 4 5 6 7



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G

H



### Solid Waste Areas Map

Drawn By: CAJA/brecht

19 October 2001

Created in response to IEPA CERCLA request.

**NOTES:** \* Layout denotes storage locations and size of solid waste areas.

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0320584

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998649

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

0430300003  
Generator Number

BARON BLAKESLEE 1620 S LARAMIE AVE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139002

Hauler Name Hauler Address

S.W.H. Registration Number

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1620 S LARAMIE AVE  
(Facility Name) Address  
CICERO IL 60650  
City State Zip

03160037  
Site Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOR ETHYLENE

WASTE PHASE: LIQUID  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

SPENT SOLVENT NONE  
LIG. CHLOR COMPOUND N.O.I.

WEIGHT FOR DOT USE 7332 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 000600

1 GALLONS (Circle One)  
2 CU. YDS.

METHOD OF SHIPMENT (Circle One) DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 10/17/80

Don Dulan  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) L. Pennell  
(Authorized Signature)

DATE: 10/17/80

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: 10/17/80

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO \_\_\_\_\_

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor Romano  
(Authorized Signature)

DATE: 10/21/80

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-001

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0379101  
JAN 26 1981  
Authorization Number 998649  
13

FLEXIBLE STEEL LACING 2535 WISCONSIN AVENUE  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

0430300003  
14 Generator Number 24

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
23 31

Hauler Name

Hauler Address

S.W.H. Registration Number                       
32 39

DESTINATION -- DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
39 Site Number 46

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

FOO1

WEIGHT FOR D.O.T. USE 3923 3923 LBS (circle one)  
TONS (circle one)

Trichloroethylene

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 324  
47 32

1 GALLONS (Circle One)  
2 CU. YDS.                       
33

METHOD OF SHIPMENT (Circle One)

DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)                     

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 1/21/81

Don Juler  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

(1) Baron Blakeslee  
(Authorized Signature)

DATE: 1/21/81  
34 39

(2)                       
(Authorized Signature)

DATE:                     

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES                      NO                     

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor Romano  
(Authorized Signature)

DATE: 01/23/81  
40 43

COMMENTS OR SPECIAL INSTRUCTIONS:                     

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY -- PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-002

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0376864  
7

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998649  
13

FLEXIBLE STEEL LACING 2525 WISCONSIN AVENUE  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

043030003 G  
14 Generator Number 24

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
23 31

Hauler Name Hauler Address

ILD 004968509  
S.W.H. Registration Number 32 38

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
39 Site Number 46

ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLORETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

Spent Solvent UN#1719 NONE FOOL

WEIGHT FOR D.O.T. USE 1833 183 TONS (circle one)

WASTE TRICHLORETHYLENE MIXTURE ORN-A

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 0.00155  
47 52

1 GALLONS (Circle One)  
2 CU. YDS. 33

METHOD OF SHIPMENT (Circle One)

3 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. US EPA.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 2-24-81

Don Mullen  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Don Mullen  
(Authorized Signature)

DATE: 2/24/81  
34 39

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: 1 1 1

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO \_\_\_\_\_

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor Roman  
(Authorized Signature)

DATE: 03/06/81  
40 45

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-003

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0376865

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998649

FLEXIBLE STEELLACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

IL0004968509

S.W.H. Registration Number 32

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
Site Number

IL0004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE POO / UN1770  
TRICHLOROETHYLENE MIXTURE ORU-A

WEIGHT FOR D.O.T. USE 1833 183 TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 000150

2 GALLONS (Circle One)  
CU. YDS.

METHOD OF SHIPMENT (Circle One) 3 DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. USE EPA

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 3/4/81

David Duben  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) L. Amuli  
(Authorized Signature)

DATE: 3 13 81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE:         

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor Romano  
(Authorized Signature)

DATE: 03 06 81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-004

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0376868

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

Authorization Number 998649  
ILD 005094230  
0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
ILD 004968509  
S.W.H. Registration Number 0139005

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
Site Number  
ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE  
TRICHLOROETHYLENE

FOO1 UN#1710  
ORN-A

WEIGHT FOR D.O.T. USE 3360 LBS.  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 0.00225

1 GALLONS (Circle One)  
CU. YDS.

METHOD OF SHIPMENT (Circle One) 6 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 4/14/81

Don Fubner  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED.

(1) Baron Blakeslee  
(Authorized Signature)

DATE: 4/14/81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 04 22 81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

EST 005

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0379105

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998647

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

ILD 005094230  
0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

ILD 004968509

S.W.H. Registration Number 0139005

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
Chicago IL 60650  
City State Zip

03160037  
Site Number

ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLORETHYLENE

WASTE PHASE: liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE POOL 4N\* 1710  
TRICHLORETHYLENE ORM-A

WEIGHT FOR D.O.T. USE 1833 TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 0.00150

1 GALLONS (circle one)  
CO. YDS.

METHOD OF SHIPMENT (Circle One) 3 DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify)

HIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 5/7/81

[Signature]  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

1) [Signature]  
(Authorized Signature)

DATE: 5/7/81

2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

[Signature]  
(Authorized Signature)

DATE: 05/08/81

COMMENTS OR SPECIAL INSTRUCTIONS:

ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FST-006

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0379104

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998647

ILD 005094230

0430300003

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

ILD 004968509

S.W.H. Registration Number 0139005

BARON BLAKESLEE 1634 S. LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
Site Number

ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: LIQUID  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE FOO1 UN# 1710  
TRICHLOROETHYLENE ORN-A

WEIGHT FOR  
D.O.T. USE 1500 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL

QUANTITY OF WASTE DELIVERED: 000160

GALLONS (Circle One)  
2 CU. YDS. 1

METHOD OF SHIPMENT (Circle One) DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION. USE EPA.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE 5/19/81

Donald Huber  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) B+D  
(Authorized Signature)

DATE: 5/19/81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 06/01/81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0379103

Authorization Number 998647

ILD 005094230

0430300003  
Generator Number

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

1LD004968509

S.W.H. Registration Number 11D004968509

Hauler Name

Hauler Address

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
Site Number

1LD004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLORETHYLENE

WASTE PHASE: Liquid  
(Liquid Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE POOL UN#1710  
TRICHLORETHYLENE ORN-A

WEIGHT FOR D.O.T. USE 1.992 TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL

QUANTITY OF WASTE DELIVERED: 000150

1 GALLONS (Circle One)  
2 CU. YDS.

METHOD OF SHIPMENT (Circle One) 3

DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 6/17/81

Don Juleen  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Don Juleen  
(Authorized Signature)

DATE: 6/17/81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

John R. Ramon  
(Authorized Signature)

DATE: 06/23/81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENCOATED

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0379102  
1 7

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

Authorization Number 998647  
ILD005094230  
0430300003 G  
14 Generator Number 24

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
ILD004968509  
S.W.H. Registration Number 32 38

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE  
BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CHICAGO IL 60650  
City State Zip

03160037  
39 Site Number 46  
ILD004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLORETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE FC01 UN\* 1710  
TRICHLORETHYLENE ORN-A

WEIGHT FOR D.O.T. USE 1.279 LBS TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 000100  
32

1 GALLONS (Circle One)  
2 CU. YDS. 1  
33

METHOD OF SHIPMENT (Circle One) 2 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 7/2/81

Dougherty  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

Victor R. Romano  
(Authorized Signature)

DATE: 7/2/81  
39

DATE: 1/1/81

DISPOSAL, STORAGE, OR TREATMENT FACILITY:

HAZARDOUS WASTE SUBJECT TO FEE YES NO X

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 07/09/81  
45

REMARKS OR SPECIAL INSTRUCTIONS:

ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

DOT 100

TO BE COMPLETED BY  
ASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0350330  
1 7

SPECIAL WASTE HAULING MANIFEST

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
OWNERS GROVE IL 60515  
City State Zip

Authorization Number 998647  
ILD005094230  
0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139008  
ILD004968509

Hauler Name Hauler Address

S.W.H. Registration Number

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
City State Zip

03160037  
Site Number

ILD004968509

TO BE COMPLETED BY  
ASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: LIQUID  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE FOO1 UN<sup>1710</sup>  
TRICHLOROETHYLENE ORN-A

WEIGHT FOR  
O.G.T. USE 1845 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL

QUANTITY OF WASTE DELIVERED: 150

1 GALLONS (Circle One)  
CU. YDS.

METHOD OF SHIPMENT (Circle One)

30 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE 7-17-81

Don Jule  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

1) Jack Paul  
(Authorized Signature)  
2) \_\_\_\_\_  
(Authorized Signature)

DATE: 7/17/81

DATE: 1 1 1

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 8-7-23-81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-010

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0320585

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

Authorization Number 998647  
ILD 005094230  
0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139001  
ILD 004968509

Hauler Name

Hauler Address

S.W.H. Registration Number

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
City State Zip

03160037  
Site Number

ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE POI UN\* 1710  
TRICHLOROETHYLENE ORN-A

WEIGHT FOR D.O.T. USE 1850 185 TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 150

1 GALLONS (Circle One)  
2 CU. YDS.

METHOD OF SHIPMENT (Circle One)

3 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 8/12/81

Don Jalen  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Joe Parnis  
(Authorized Signature)

DATE: 8/12/81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 8/19/81

COMMENTS OR SPECIAL INSTRUCTIONS:

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0320590

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
LOUNER GROVE IL 60515  
City State Zip

Authorization Number 998647  
ILD005094230  
0430300003 G  
14 Generator Number 24

BARON BLAKESLEE 1634 SLARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139001  
23 31

ILD004968509

S.W.H. Registration Number 0139001  
32 38

BARON BLAKESLEE 1634 SLARAMIE  
(Facility Name) Address  
Cicero IL 60650  
City State Zip

03160037  
39 Site Number 46  
ILD004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE FC01 UN\*\*1710  
TRICHLOROETHYLENE ORN-A

WEIGHT FOR  
D.O.T. USE 1771 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
INVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 150  
47 52

1 GALLONS (Circle One)  
2 CU. YDS. 53

METHOD OF SHIPMENT (Circle One) 3 DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify) \_\_\_\_\_

THE WASTE GENERATOR CERTIFIES THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

THE WASTE GENERATOR AGREES TO AND CERTIFIES THE ABOVE WRITTEN INFORMATION

DATE: 8-31-81

Don Fabu  
(Authorized Signature)

WASTE HAULER

THE WASTE HAULER CERTIFIES THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

John P. ...  
(Authorized Signature)

DATE: 8/31/81  
59

...  
(Authorized Signature)

DATE: 1/1/81

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

THE WASTE HAULER CERTIFIES THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor E. Romano  
(Authorized Signature)

DATE: 09/22/81  
60 65

REMARKS OR SPECIAL INSTRUCTIONS:

ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

TO BE COMPLETED BY  
WASTE GENERATOR

ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-8760  
SPECIAL WASTE HAULING MANIFEST

0437360

Authorization Number 998647

FLEXIBLE STEEL 2525 WISCONSIN 971-0150 0430300003  
(Company Name) Address Phone Number Generator Number  
DOWNERS GROVE IL 60515 ILD005094230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE 312-450-3900 ILD004968509  
Hauler Name Hauler Address Phone Number EPA Number  
S.W.H. Registration Number 0139005

Hauler Name Hauler Address Phone Number EPA Number  
S.W.H. Registration Number

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site Number  
CHICAGO IL 6060 312-450-3900 ILD004968509  
City State Zip Phone Number EPA Number  
Alternate (Facility Name) Address Site Number  
City State Zip Phone Number EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE 7001 1710 ORNA  
TRICHLOROETHYLENE UN or NA Number EPA HW Number

WEIGHT FOR I.O.T. USE 1727 LBS (circle one) WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: 150 1 GALLONS (circle one) 1 CU. YDS.

METHOD OF SHIPMENT (Circle One) (DRUMS 3) TANK TRUCK OPEN TRUCK OTHER (Specify) \_\_\_\_\_

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don Fisher  
(Authorized Signature)

DATE: 9/21/81

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

1) B+B Inc  
(Authorized Signature)

DATE: 9/21/81

2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 09/22/81

COMMENTS OR SPECIAL INSTRUCTIONS:

BE COMPLETED BY  
ASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0320589

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998647

ILD005094230

0430300003  
Generator Number

FLEXIBLE STEEL LACING 2525 WISCONSIN  
(Company Name) Address  
OWNERS GROVE IL 60515  
City State Zip

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

ILD004968509

Hauler Name Hauler Address

S.W.H. Registration Number

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
City State Zip

0316003  
Site Number

ILD004968509

BE COMPLETED BY  
ASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: LIQUID  
(Liquid, Gaseous, Solid)

E SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE POOL UN#1710  
TRICHLOROETHYLENE ORNA

WEIGHT FOR DOT USE: 1803 LBS  
(circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
INVERTED TO CU. YDS. OR GAL

QUANTITY OF WASTE DELIVERED: 000150

1 GALLONS (Circle One)  
2 CU. YDS.

METHOD OF SHIPMENT (Circle One)

3 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 9/28/81

Dougherty  
(Authorized Signature)

ASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

[Signature]  
(Authorized Signature)

DATE: 9/28/81

[Signature]  
(Authorized Signature)

DATE: 9/28/81

DISPOSAL, STORAGE, OR TREATMENT FACILITY

HAZARDOUS WASTE SUBJECT TO FEE YES NO X

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor C. Romano  
(Authorized Signature)

DATE: 09/30/81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-014

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0376867

FLEXIBLE STEELLACING 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

Authorization Number 998649  
ILD005094230  
0430300003  
Generator Number

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
ILD004968509  
S.W.H. Registration Number

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CICERO IL 60650  
City State Zip

03160037  
Site Number  
ILD004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE FOOL UN\* 1710  
TRICHLOROETHYLENE ORM-A

WEIGHT FOR O.Q.T. USE 11642 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

Mixture  
QUANTITY OF WASTE DELIVERED: 000850

1 GALLONS (Circle One)  
CU. YDS.

METHOD OF SHIPMENT (Circle One) 3 DRUMS TANK TRUCK OPEN TRUCK OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 10-15-81

Don Dubler  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

(1) B+B Hauling  
(Authorized Signature)

DATE: 10/15/81

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO X

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor L. Romans  
(Authorized Signature)

DATE: 10/33/81

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GF

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-015





TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0555061

Authorization Number 998649

FLEXIBLE STEEL 2525 WISCONSIN 3129710150 0430300003  
(Company Name) Address Phone Number Generator Number  
DOWNERS GROVE IL 60515 ILD0005094230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 SLARAMIE S.W.H. Registration Number \_\_\_\_\_  
Hauler Name Hauler Address 31 31  
3124503900 ILD004968509  
Phone Number EPA Number  
Hauler Name Hauler Address S.W.H. Registration Number 0139095  
32 38  
Phone Number EPA Number

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE  
BARON BLAKESLEE 1634 SLARAMIE 03160037  
(Facility Name) Address Site Number  
CICERO IL 60650 3124503900 ILD004968509  
City State Zip Phone Number EPA Number  
Alternate (Facility Name) Address Site Number  
City State Zip Phone Number EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR  
WASTE NAME: TRICHLOROETHYLENE WASTE PHASE: LIQUID  
THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:  
(Liquid, Gaseous, Solid)  
SHIPPING DESCRIPTION: WASTE HAZARD CLASS: 7001 UN or NA Number 1710 EPA HW Number ORNA  
TRICHLOROETHYLENE  
WEIGHT FOR O.T. USE 3671 LBS TONS (circle one) WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL. QUANTITY OF WASTE DELIVERED: 300 GALLONS (Circle One) CU. YDS. 1  
METHOD OF SHIPMENT (Circle One) (DRUMS 6) TANK TRUCK OPEN TRUCK OTHER (Specify) \_\_\_\_\_

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.  
I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION Donald J. Juler DATE: 12/22/81  
(Authorized Signature)

WASTE HAULER  
I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:  
(1) B.B. Amabile DATE: 12/22/81  
(Authorized Signature) 54 59  
(2) \_\_\_\_\_ DATE: 1/1/82  
(Authorized Signature)

DISPOSAL, STORAGE, OR TREATMENT FACILITY: \_\_\_\_\_ HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO ☒  
I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:  
Victor R. Romano DATE: 01/11/82  
(Authorized Signature) 60 65

COMMENTS OR SPECIAL INSTRUCTIONS: \_\_\_\_\_

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760

0376866

SPECIAL WASTE HAULING MANIFEST

Authorization Number 998649

FLEXIBLE STEEL

(Company Name)

2525 WISCONSIN

Address

DOWNERS GROVE

City

IL

State

60515

Zip

0430300003

Generator Number

ILD 005094230

BARON BLAKESLEE

Hauler Name

1634 SLARAMIE

Hauler Address

S.W.H. Registration Number 25

ILD 004968509

S.W.H. Registration Number 32

Hauler Name

Hauler Address

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE

(Facility Name)

1634 SLARAMIE

Address

03160037

Site Number

CICERO

City

IL

State

60650

Zip

ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

7001 UN# 1710

WEIGHT FOR D.O.T. USE 3850 LBS (circle one)

TRICHLOROETHYLENE

ORN-A

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL

QUANTITY OF WASTE DELIVERED: 000350

1 GALLONS (circle one)  
2 CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

7 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 2/23/82

Don Juler  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Admission B/B  
(Authorized Signature)

DATE: 02/23/82

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO ✓

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor E. Romano  
(Authorized Signature)

DATE: 03/04/82

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-019

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0320586

Authorization Number 998649

FLEXIBLE STEEL 2525 WISCONSIN  
(Company Name) Address  
DOWNERS GROVE IL 60515  
City State Zip

0430300003 G  
Generator Number 24  
ILD 005094230

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005  
ILD004968509

Hauler Name

Hauler Address

S.W.H. Registration Number 32 38

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address  
CICERO IL 60650  
City State Zip

03160037 39  
Site Number 40  
ILD 004968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE 7001 UN# 1710  
TRICHLOROETHYLENE ORN-A

WEIGHT FOR D.O.T. USE 1833 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 150

1 GALLONS (Circle One)  
2 CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 3/18/82

Don Fuler  
(Authorized Signature)

WASTE HAULER

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS  
INDICATED:

(1) B+B A. Inc. Indella  
(Authorized Signature)

DATE: 3/18/82

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO ✓

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Roman  
(Authorized Signature)

DATE: 04/06/82

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

FSL-020

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0320588

Authorization Number 998619

Feible Stock 2525 Wisconsin  
(Company Name) Address  
Dawson Grove FL 60575  
City State Zip

0430300003 G  
Generator Number 24  
FLD005094230

Brown Blakelee 1634 S. Larnie  
Hauler Name Hauler Address

S.W.H. Registration Number 0139003

FLD0064968509  
S.W.H. Registration Number 32 38

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

Brown Blakelee 1634 S. Larnie  
(Facility Name) Address  
FL 60575  
City State Zip

03160037 39  
Site Number 44  
FLD0064968509

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: Trichloroethylene

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE Flammable  
Trichloroethylene ORH-P

WEIGHT FOR D.O.T. USE 1260 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 100

1 GALLONS (Circle One)  
2 CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

20 DRUMS

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED SPECIAL WASTE IS PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE DEPARTMENT OF TRANSPORTATION.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

DATE: 6-14-82

Don J. Fleen  
(Authorized Signature)

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Joe Romano  
(Authorized Signature)

DATE: 6/14/82

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: \_\_\_\_\_

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO \_\_\_\_\_

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED SPECIAL WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Victor R. Romano  
(Authorized Signature)

DATE: 6/15/82

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 G

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

EST 021

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

DOT 11 1982

0555059

Authorization Number 998619

FLEXIBLE STEELLACING 2525 WISCONSIN 3129710150 0430300003 G  
(Company Name) Address Phone Number 14 Generator Number 24

DUNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKELEE 1634 S LARAMIE 3124503900 ILD004968509  
Hauler Name Hauler Address Phone Number EPA Number

S.W.H. Registration Number 0139005

S.W.H. Registration Number 32

BARON BLAKELEE 1634 S LARAMIE 3124503900 ILD004968509  
Hauler Name Hauler Address Phone Number EPA Number

BARON BLAKELEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site Number 39 46  
CICERO IL 60650 3124503963 ILD004968509  
City State Zip Phone Number EPA Number

BARON BLAKELEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site Number 39 46  
CICERO IL 60650 3124503963 ILD004968509  
City State Zip Phone Number EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

7001 ORN-A

UN1710  
UN or NA Number

7001  
EPA HW Number

WEIGHT FOR  
I.T. USE 1860 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 000150 1 GALLONS (Circle One)  
CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

(DRUMS) 3  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION.  
ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

WE AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don Fuler  
(Authorized Signature)

DATE: 9-3-82

WASTE HAULER

WE CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE  
THE DESTINATION AS INDICATED:

B+B Incandella  
(Authorized Signature)

DATE: 09/03/82

(Authorized Signature)

DATE: 1/1/82

POSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES NO

WE CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Waste  
(Authorized Signature)

DATE: 09/03/82

MENTS OR SPECIAL INSTRUCTIONS:

ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

TRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 - GENERATOR

13

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

DOT 11 1982

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0555060

Authorization Number 998619

Company Name: FLEXIBLE STEEL LACING 2525 WISCONSIN Address: 312 971 0150 Phone Number: 0430300003 Generator Number: 24

City: DOWNERS GROVE State: IL Zip: 60515 EPA Number: ILD005099230

WASTE HAULER(S)

Hauler Name: BARN BLAKESLEE 1634 S LARAMIE Hauler Address: 312 450 3900 Phone Number: ILD004968509 EPA Number: 31

S.W.H. Registration Number: C139007

Hauler Name: Hauler Address: S.W.H. Registration Number: 32 EPA Number: 38

Phone Number: EPA Number:

DESTINATION - DISPOSAL STORAGE OR TREATMENT SITE

Facility Name: BARN BLAKESLEE 1634 S LARAMIE Address: 03160037 Site Number: 46

City: CICERO State: IL Zip: 60550 Phone Number: 312 450 3900 EPA Number: ILD004968509

Alternate (Facility Name): Address: 39 Site Number: 46

City: State: Zip: Phone Number: EPA Number:

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE WASTE PHASE: Liquid (Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORN-A

UN 1710 UN or NA Number

7001 EPA HW Number

WEIGHT FOR I.O.T. USE 1600 LBS (circle one) TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 000130 1 GALLONS (Circle One) 2 CU. YDS. 3

METHOD OF SHIPMENT (Circle One)

(DRUMS 3) Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

HIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don J. Jelen (Authorized Signature)

DATE: 10/11/82

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

1) Don J. Jelen B/B (Authorized Signature)

DATE: 10/01/82

2) (Authorized Signature)

DATE: / /

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES NO

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

(Authorized Signature)

DATE: 10/01/82

COMMENTS OR SPECIAL INSTRUCTIONS:

Manifest shows 150 G delivered. Actually received 130 G.

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 3

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

ESI-023

TO BE COMPLETED BY  
WASTE GENERATOR

MAR 7 1983

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0659328

Authorization Number 998619

FLEXIBLE STEELLACING 2525 WISCONSIN 3129710150 0430300003  
(Company Name) Address Phone Number Generator NumberOWNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139007

3124503900 ILD004968509  
Phone Number EPA Number

Hauler Name

Hauler Address

S.W.H. Registration Number 32 38

Phone Number

EPA Number

3ARON BLAKESLEE 1634 S LARAMIE  
(Facility Name) Address03160037  
Site NumberCICERO IL 60550 3124503900 ILD004968509  
City State Zip Phone Number EPA Number

Alternate (Facility Name)

Address

39 Site Number 46

City

State

Zip

Phone Number

EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE:

Liquid

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORN-A

4N1710  
UN or NA Number7001  
EPA HW NumberEIGHT FOR  
G.T. USE 1200 LBS  
TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.QUANTITY OF WASTE DELIVERED: 800100 1 GALLONS (Circle One)  
CU YDS. 1

METHOD OF SHIPMENT (Circle One)

(DRUMS 2)  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don Huber  
(Authorized Signature)

DATE: 1-7-83

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE  
THE DESTINATION AS INDICATED:1. Don Huber  
(Authorized Signature)

DATE: 01/07/83

2. \_\_\_\_\_  
(Authorized Signature)

DATE: / /

DISPOSAL, STORAGE, OR TREATMENT FACILITY

HAZARDOUS WASTE SUBJECT TO FEE YES NO

HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

1. \_\_\_\_\_  
(Authorized Signature)

DATE: 010783

COMMENTS OR SPECIAL INSTRUCTIONS:

Manifest shows 100 gal. we  
actually did receive 100 gal.

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART - 6 GENERATOR

REV. 8/4

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to do so  
\$10,000.00 and an additional civil penalty up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Waste Management Center.

FSL-024

TO BE COMPLETED BY  
WASTE GENERATORSTATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0659329

Authorization Number 998619

FLEXIBLE STEEL LACING 2525 WISCONSIN 3129710150 0430300003  
(Company Name) Address Phone Number Generator NumberDOWNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

3124503900  
Phone NumberILD004968509  
EPA Number

Hauler Name

Hauler Address

S.W.H. Registration Number 32

Phone Number

EPA Number

BARON BLAKESLEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site NumberCICERO IL 60550 3124503900 ILD004968509  
City State Zip Phone Number EPA Number

Alternate (Facility Name)

Address

Site Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORNA

UN1710  
UN or NA Number7001  
EPA HW NumberWEIGHT FOR 1.367 LBS  
J.D.T. USE TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GALQUANTITY OF WASTE DELIVERED: 000150  
1 GALLONS (circle one)  
2 CU. YDS.

METHOD OF SHIPMENT (Circle One)

(DRUMS 3)  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION.  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don J. Fisher  
(Authorized Signature)

DATE: 5/23/83

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE  
THE DESTINATION AS INDICATED:(1) B + O Sheanell  
(Authorized Signature)

DATE: 5/23/83

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: 7/1/83

DISPOSAL, STORAGE, OR TREATMENT FACILITY:

HAZARDOUS WASTE SUBJECT TO FEE YES NO

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

(Authorized Signature)

DATE: 5/23/83

COMMENTS OR SPECIAL INSTRUCTIONS:

Use secured same as what  
manifest shows.

IN ILLINOIS: 217 / 782-3537

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2575

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to do so may result in additional civil penalties up to \$1,000 per day.

FST-025

TO BE COMPLETED BY  
WASTE GENERATOR

STATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0659330

Authorization Number 998649

SEP 19 1983

FLEXIBLE STEEL LACING 2525 WISCONSIN 3129710150 0430300003  
(Company Name) Address Phone Number Generator Number

DOWNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 16345 LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139003

3124503900 ILD004968509  
Phone Number EPA Number

Hauler Name Hauler Address

S.W.H. Registration Number 32

Phone Number EPA Number

DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 16345 LARAMIE  
(Facility Name) Address

03160037  
Site Number

GICKERO IL 60550 3124503900 ILD004968509  
City State Zip Phone Number EPA Number

Alternate (Facility Name) Address

Site Number

City State Zip Phone Number EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid) (Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORM-A

UN1710  
UN or NA Number

7001  
EPA HW Number

WEIGHT FOR T.O.T. USE 1348 LBS  
TONS (circle one)

WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.

QUANTITY OF WASTE DELIVERED: 0.00150  
GALLONS (Circle One)  
CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

(DRUMS 3)  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Dorshuler  
(Authorized Signature)

DATE: 8/24/83

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) Lank Randall  
(Authorized Signature)

DATE: 9/24/83

(2) (Authorized Signature)

DATE: / /

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES NO ☒

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

DATE: 8/24/83

COMMENTS OR SPECIAL INSTRUCTIONS: Manifest shows 150 gal we rec.  
150 Gal.

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2575

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to do so \$10,000.00 and an additional civil penalty up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

FSL-026

TO BE COMPLETED BY  
WASTE GENERATORSTATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

JUN 15 1983

0880991

Authorization Number

998649

FLEXIBLE STEEL 2525 WISCONSIN 3129710150 0430300003 G  
(Company Name) Address Phone Number 14 Generator Number 24  
DOWNER GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE S.W.H. Registration Number 0139005  
Hauler Name Hauler Address 25 31  
3124503900 ILD004968509  
Phone Number EPA Number

Hauler Name

Hauler Address

S.W.H. Registration Number

32

38

Phone Number

EPA Number

BARON BLAKESLEE 1634 S LARAMIE 03160037  
(Facility Name) Address 39 Site Number 40  
GILERO IL 60650 3124503900 ILD004968509  
City State Zip Phone Number EPA Number

Alternate (Facility Name)

Address

39

Site Number

44

City

State

Zip

Phone Number

EPA Number

TO BE COMPLETED BY  
WASTE GENERATORWASTE NAME: TRICHLOROETHYLENE

WASTE PHASE:

Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTEORM-AUN1710  
UN or NA Number7001  
EPA HW NumberWEIGHT FOR  
O.T. USE 1,520 155 TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.QUANTITY OF WASTE DELIVERED: 0001501 GALLONS (Circle One)  
2 CU. YDS. 1

METHOD OF SHIPMENT (Circle One)

(DRUMS) 3  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don J. Fuler  
(Authorized Signature)DATE: 11/1/83

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) B+B Inc.  
(Authorized Signature)DATE: 11/01/83(2) \_\_\_\_\_  
(Authorized Signature)DATE: 11/1/83

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE

YES

NO ✓

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

DATE: 11/1/83

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2672

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY — PART 1: DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to do so, \$10,000.00 and an additional civil penalty up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Forms Management Center.

FSL-027

TO BE COMPLETED BY  
WASTE GENERATORSTATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

APR 09 REC'D

0880993

Authorization Number 998649Flexible Steel 2525 WISCONSIN  
(Company Name) Address Phone Number 0430 30 0003  
14 Generator Number 24Downers Grove IL 60515  
City State Zip ILD005099230  
EPA Number

## WASTE HAULER(S)

Baron Blakeslee 1634 S. LARAMIE  
Hauler Name Hauler Address S.W.H. Registration Number 0138007  
25312 450 3557 ILD051937068  
Phone Number EPA Number

Hauler Name Hauler Address S.W.H. Registration Number 22 38

Phone Number

EPA Number

Baron Blakeslee 1634 S. LARAMIE  
(Facility Name) Address 03160037  
39 Site Number 46CICERO IL 60650 312 450 3557 ILD051937068  
City State Zip Phone Number EPA Number

Alternate (Facility Name) Address 39 Site Number 46

City

State

Zip

Phone Number

EPA Number

TO BE COMPLETED BY  
WASTE GENERATORWASTE NAME: TRICHO ROTHYKENEWASTE PHASE: LIQUID

(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTEORM-A401710  
UN or NA NumberF001  
EPA HW NumberWEIGHT FOR O.O.T. USE 2,400 LBS  
TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.QUANTITY OF WASTE DELIVERED: 000200  
211 GALLONS (Circle One)  
2 CU. YDS. 53

METHOD OF SHIPMENT (Circle One)

(DRUMS 4)  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Albert Hertz  
(Authorized Signature)DATE: 3-23-84

## WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE  
THE DESTINATION AS INDICATED:(1) Removal H/D Driven  
(Authorized Signature)DATE: 03/23/84  
54 59(2) \_\_\_\_\_  
(Authorized Signature)DATE: 1/1/84

## DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE - YES \_\_\_\_\_ NO ✓

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

Baron Blakeslee  
(Authorized Signature)DATE: 3/23/84  
60 65

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2671

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY - PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to  
\$10,000.00 and an additional civil penalty up to \$1,000.00 and imprisonment up to one year. This form has been approved by the Environmental Center

FSL-028

TO BE COMPLETED BY  
WASTE GENERATORSTATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62768  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0880994

Authorization Number

998649

FLEXIBLE STEEL 2525 WISCONSIN 3129210150 043 0300003  
(Company Name) Address Phone Number Generator NumberDOWNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139005

3124503557  
Phone NumberILD051937068  
EPA Number

Hauler Name

Hauler Address

S.W.H. Registration Number

32 38

Phone Number

EPA Number

BARON BLAKESLEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site NumberCICERO IL 60650 3124503557 ILD051937068  
City State Zip Phone Number EPA Number

Alternate (Facility Name)

Address

39

Site Number

46

City

State

Zip

Phone Number

EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE:

Liquid

(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORM-A

UN1710  
UN or NA Number7001  
EPA HW NumberWEIGHT FOR  
D.O.T. USE1220 LBS  
TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.QUANTITY OF WASTE DELIVERED: 000100  
CU. YDS. 321 GALLONS (Circle One)  
2 CU. YDS. 53

METHOD OF SHIPMENT (Circle One)

(DRUMS 2)  
Number

TANK TRUCK

(OPEN TRUCK)

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION,  
IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don Jelen  
(Authorized Signature)

DATE: 4/27/84

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE  
THE DESTINATION AS INDICATED:(1) B+B Michael  
(Authorized Signature)

DATE: 04/27/84

(2) \_\_\_\_\_  
(Authorized Signature)

DATE: 1/1/84

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES \_\_\_\_\_ NO ☒

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

\_\_\_\_\_  
(Authorized Signature)

DATE: 4/27/84

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to

FSL-029

FORM COMPLETED BY  
WASTE GENERATORSTATE OF ILLINOIS  
ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF LAND POLLUTION CONTROL  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62706  
(217) 782-6760  
SPECIAL WASTE HAULING MANIFEST

0880996

Authorization Number 998649

FLEXIBLE STEEL 2525 WISCONSIN 3129710150 0430300003 G  
(Company Name) Address Phone Number Generator NumberDOWNERS GROVE IL 60515 ILD005099230  
City State Zip EPA Number

WASTE HAULER(S)

BARON BLAKESLEE 1634 S LARAMIE  
Hauler Name Hauler Address

S.W.H. Registration Number 0139007

3124503557 ILD051937068  
Phone Number EPA Number

Hauler Name

Hauler Address

S.W.H. Registration Number

Phone Number

EPA Number

## DESTINATION — DISPOSAL STORAGE OR TREATMENT SITE

BARON BLAKESLEE 1634 S LARAMIE 03160037  
(Facility Name) Address Site NumberCICERO IL 60650 3124503557 ILD051937068  
City State Zip Phone Number EPA Number

Alternate (Facility Name)

Address

Site Number

City

State

Zip

Phone Number

EPA Number

TO BE COMPLETED BY  
WASTE GENERATOR

WASTE NAME: TRICHLOROETHYLENE

WASTE PHASE: Liquid  
(Liquid, Gaseous, Solid)

THE SPECIAL WASTE BEING TRANSPORTED UNDER THIS MANIFEST IS OF THE DOT HAZARD CLASSIFICATION INDICATED IMMEDIATELY BELOW:

SHIPPING DESCRIPTION:

HAZARD CLASS:

WASTE

ORM-A

UN1710  
UN or NA Number700.1  
EPA HW NumberWEIGHT FOR  
D.O.T. USE 1,800 LBS  
TONS (circle one)WEIGHT FOR I.E.P.A. USE MUST BE  
CONVERTED TO CU. YDS. OR GAL.QUANTITY OF WASTE DELIVERED: 000150  
GALLONS (Circle One)  
CU. YDS.

METHOD OF SHIPMENT (Circle One)

DRUMS (13)  
Number

TANK TRUCK

OPEN TRUCK

OTHER (Specify)

THIS IS TO CERTIFY THAT THE ABOVE-NAMED WASTE ARE PROPERLY CLASSIFIED, DESCRIBED, PACKAGED, MARKED, AND LABELED AND IS IN PROPER CONDITION FOR TRANSPORTATION, IN ACCORDANCE WITH THE APPLICABLE REGULATIONS OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND I.E.P.A.

I HEREBY AGREE TO AND CERTIFY THE ABOVE WRITTEN INFORMATION

Don J. [Signature]  
(Authorized Signature)

DATE: 6/21/84

WASTE HAULER

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND QUANTITY HAS BEEN ACCEPTED IN PROPER CONDITION FOR TRANSPORT AND I ACKNOWLEDGE THE DESTINATION AS INDICATED:

(1) [Signature] B/B Deven  
(Authorized Signature)

DATE: 06/21/84

(2) [Signature]  
(Authorized Signature)

DATE: [ ] [ ] [ ]

DISPOSAL, STORAGE, OR TREATMENT FACILITY\*

HAZARDOUS WASTE SUBJECT TO FEE YES NO

I HEREBY CERTIFY THAT THE ABOVE-DESCRIBED WASTE AND INDICATED QUANTITY HAS BEEN ACCEPTED AT THE SITE SPECIFIED ABOVE:

DATE: 6-21-84

COMMENTS OR SPECIAL INSTRUCTIONS:

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR

PART - 2 IEPA

PART - 3 SITE

PART - 4 HAULER

PART - 5 IEPA

PART 6 - GENERATOR

REV. # 4

GENERATOR COPY — PART 1 - DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require this information under Illinois Revised Statutes, 1979, Chapter 111 1/2, Section 22. Disclosure of this information is required. Failure to do so is a violation of the Illinois Environmental Protection Act, 1979, Chapter 111 1/2, Section 22. This form has been approved by the Farms Management Center.

FSL-030



(Please print or type)

(Form designed for use on 6 1/2 (12-pitch) typewriter)

EPA Form 8700-22 (3-84)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. I.L.D.0.0.5.0.9.9.2.3.0.000.0.1	Manifest Document No. 000.0.1	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING 2525 WISCONSIN AVE DOWNERS GROVE IL 60515		4. Generator's Phone (312) 971-0150		5. Illinois Manifest Document Number IL 1120316	
6. Transporter 1 Company Name BARON BLAKESLEE INC		7. Transporter 1 US EPA ID Number 1.L.D.0.5.1.9.3.7.0.6.8		8. Transporter 1 Phone (415) 450-3737	
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 S LARAMIE CICERO IL 60650		10. US EPA ID Number 1.L.D.0.5.1.9.3.7.0.6.8		11. Transporter 2 Company Name BARON BLAKESLEE INC	
12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. HM X TRICHLOROETHYLENE ORMA UN 1710 0.05 DM 0.025.0.1		b. 0.05 DM 0.025.0.1		c. 0.05 DM 0.025.0.1	
b.		c.		d.	
c.		d.		e.	
d.		e.		f.	
e.		f.		g.	
f.		g.		h.	
g.		h.		i.	
h.		i.		j.	
i.		j.		k.	
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Please print or type.

(Form designed for use on 11x17 (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved OMB No. 2000-0404 Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. I.L.D.0.05.099.230	Manifest Document No. 000000	2. Page 1 of 1	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN AVE DOWNERS GROVE IL 60515				A. Illinois Manifest Document Number 11-28317		
4. Generator's Phone (312) 971-0150				B. Illinois Generator's Phone 312-971-0150		
5. Transporter 1 Company Name BARON BLAKESLEE INC		6. US EPA ID Number I.L.D.0.51937068		C. Illinois Transporter's Phone 312-971-0150		
7. Transporter 2 Company Name		8. US EPA ID Number		D. Illinois Transporter's Phone		
9. Designated Facility Name and Site Address BARON BLAKESLEE INC 1634 S LARAMIE CICERO IL 60650				10. US EPA ID Number I.L.D.0.51937068		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No.	Type	13. Total Quantity	14. Unit Wt/Vol	
a. X TRICHOLORETHYLENE ORMA UN 1710		04		190 (KF)	1	
b.						
c.						
d.						
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.						
Printed/Typed Name DON JULEN GEN. FOREMAN				Signature Don Julien		
17. Transporter 1 Acknowledgement of Receipt of Materials				Date 01/11/85		
Printed/Typed Name BUD INCANDIELLA				Signature Bud Incandella		
18. Transporter 2 Acknowledgement of Receipt of Materials				Date 01/11/85		
Printed/Typed Name				Signature		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name RONALD BANASIK				Signature Ronald Banasik		
				Date 1/11/85		



Please print or type.

(Form designed for use on alpha (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD00050992301	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515				A. Illinois Manifest Document Number IL 1120319		
4. Generator's Phone (312) 9710150		6. US EPA ID Number ILD051937068		B. Illinois Generator ID 2031000003		
5. Transporter 1 Company Name BARON BLAKESLEE INC		8. US EPA ID Number		C. Illinois Transporter ID 0139		
7. Transporter 2 Company Name		10. US EPA ID Number		D. Illinois Transporter ID		
9. Designated Facility Name and Site Address BARON BLAKESLEE INC 1634 S LARAMIE CICERO IL 60610				E. Illinois Transporter ID		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		
a. WASTE X TRICHLOROETHYLENE ORMA UN1710				13. Total Quantity 20.4 DM 0.020.001		
b.				14. Unit Wt/Vol		
c.				15. Special Handling Instructions and Additional Information		
d.				16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.		
17. Transporter 1 Acknowledgement of Receipt of Materials				Date Month Day Year 05/10/85		
18. Transporter 2 Acknowledgement of Receipt of Materials				Date Month Day Year 05/10/85		
19. Discrepancy Indication Space				Date Month Day Year 05/10/85		
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.				Date Month Day Year 05/10/85		



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099830	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515			4. Generator's Phone (312) 971-0150		
5. Transporter 1 Company Name BARON BLAKESLEE		6. US EPA ID Number ILD051937068		7. Transporter 2 Company Name	
8. US EPA ID Number		9. Designated Facility Name and Site Address BARON BLAKESLEE 16345 LARAMIE CICERO IL 60650		10. US EPA ID Number ILD051937068	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. WASTE X TRICHLORETHYLENE ORMA UN1710 CO4DAD02001			No.	Type	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.					
Printed/Typed Name DON JULEN			Signature Don Julien		Date 08/02/85
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature Bud Small		Date 08/02/85
Printed/Typed Name BUD SMALL			Signature		Date
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Date
Printed/Typed Name			Signature		Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name HOWARD BARASIAK			Signature Howard Barasiak		Date 8/7/85

Please print or type.

(Form designed for use on 12-pitch typewriter.)

EPA Form 8700-22 (3-84)

Form Approved, OMB No. 2000-0404, Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515		1. Generator's US EPA ID No. ILD005099230		A. Illinois Manifest Document Number IL 326642		
4. Generator's Phone (312) 971-0150		6. US EPA ID Number ILD051937068		B. Illinois Generator's ID Number 03030303		
5. Transporter 1 Company Name BARON BLAKESLEE		7. Transporter 2 Company Name		C. Illinois Transporter's ID Number 03030303		
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 S LARAMIE CICERO IL 60658		10. US EPA ID Number ILD051937068		D. Illinois Facility's ID Number 03030303		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity		14. Unit
a. WASTE		No. Type		Quantity		Unit
b. X TRICKLE ETHYLENE ORMA UN1710		002 DM 90/10.0		1		
c. CORRECTION(S) MADE						
d. PLEASE CORRECT GENERATOR COPY						
15. Special Handling Instructions and Additional Information						
<p>WASTE MINIMIZATION CERTIFICATION</p> <p>UNLESS I AM A SMALL QUANTITY GENERATOR WHO HAS BEEN EXEMPTED BY STATUTE OR REGULATION FROM THE DUTY TO MAKE A WASTE MINIMIZATION CERTIFICATION UNDER SECTION 3012(N) OF RCRA, I ALSO CERTIFY THAT I HAVE A PROGRAM IN PLACE TO REDUCE THE VOLUME AND TOXICITY OF WASTE GENERATED TO THE EXTENT I HAVE DETERMINED TO BE ECONOMICALLY PRACTICABLE AND I HAVE SELECTED THE METHOD OF TREATMENT, STORAGE, OR DISPOSAL CURRENTLY AVAILABLE TO ME WHICH MINIMIZES THE PRESENT AND FUTURE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT.</p>						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.						
Printed/Typed Name DON JULEN		Signature Don Julien		Date 10/09/85		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Buck Draculich		Date 10/09/85		
18. Transporter 2 Acknowledgement or Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.						
Printed/Typed Name RONALD BRUNSTAD		Signature Ronald Brunstad		Date 10/9/85		

IN ILLINOIS: 217 / 782-3637

24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV. # 5

GENERATOR COPY - PART 1- DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This form is authorized to require, pursuant to Illinois Revised Statutes, 1953, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a fine of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 3 years. This form has 1

FSL-035



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EPA Form 8700-22 (3-84)

Form Approved OMB No. 2000-0404, Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515			A. Manifest Document Number 1326643		
4. Generator's Phone (312) 971-0150			B. Generator's ID No. 0309003		
5. Transporter 1 Company Name BARON BLAKESLEE			6. US EPA ID Number ILD051937068	C. Transporter's Phone 0312-252-0000	
7. Transporter 2 Company Name			8. US EPA ID Number	D. Transporter's Phone	
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 LARAMIE GILGEO IL 60650			10. US EPA ID Number ILD051937068	E. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. WASTE					
b. X TRICHLOROETHYLENE ORMA UN1710			004	24	0.02, 0.01
c.					
d.					
15. Special Handling Instructions and Additional Information					
<p>WASTE MINIMIZATION CERTIFICATION: UNLESS I AM A SMALL QUANTITY GENERATOR WHO HAS BEEN EXEMPTED BY FEDERAL OR ILLINOIS LAW, I HAVE TO HAVE A WASTE MINIMIZATION CERTIFICATION UNDER SECTION 3001(d) OF RCRA. I ALSO CERTIFY THAT I HAVE A PROGRAM IN PLACE TO REDUCE THE VOLUME AND TOXICITY OF WASTE GENERATED TO THE GREATEST EXTENT FEASIBLE TO BE ECONOMICALLY PRACTICABLE AND I HAVE SELECTED THE METHOD OF TREATMENT, STORAGE, OR DISPOSAL CURRENTLY AVAILABLE TO ME WHICH MINIMIZES THE PRESENT AND FUTURE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT.</p>					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.					
Printed/Typed Name DON JULEN			Signature Don Julen	Date Month Day Year 01/03/86	
17. Transporter 1 Acknowledgement or Receipt of Materials					
Printed/Typed Name L. Simulis			Signature L. Simulis	Date Month Day Year 01/03/86	
18. Transporter 2 Acknowledgement or Receipt of Materials					
Printed/Typed Name			Signature	Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name HOWARD BANASIAK			Signature Howard Banasiak	Date Month Day Year 1/13/86	



Please print or type.

(Form designed for use on elite (12-pitch) typewriter)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DONNERS GROVE 60515		1. Generator's US EPA ID No. ILD00099230		3. Manifest Number 826644		
4. Generator's Phone (312) 9710150		6. US EPA ID Number ILD051937068		5. Manifest Number 03000003		
5. Transporter 1 Company Name BARON BLAKESLEE		8. US EPA ID Number		6. Transporter 1 Phone		
7. Transporter 2 Company Name		8. US EPA ID Number		6. Transporter 2 Phone		
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 LARAMIE CICERO IL 60650		10. US EPA ID Number ILD051937068		7. Manifest Number 03037		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		
a. WASTE		00.3 D.A.		00165		
b. X TRICHLOROETHYLENE ORMA UNITS				691501		
c.						
d.						
CORRECTION(S) MADE PLEASE CORRECT GENERATOR COPY						
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.						
Printed/Typed Name DON JULEN		Signature Don Julien		Date 03/04/86		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Joe Pasquino		Date 03/04/86		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Signature RONALD DAWIDAK		Date 3/4/86		



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515		1. Generator's US EPA ID No. ILD005099230		2. Page 1 of	
4. Generator's Phone (312) 971-0150		6. US EPA ID Number		3. Illinois Manifest Document Number IL 1326646	
5. Transporter 1 Company Name BARON BLAKESLEE		7. US EPA ID Number ILD051937068		4. Illinois Generator ID 00470000003	
7. Transporter 2 Company Name		8. US EPA ID Number		5. Illinois Transporter ID 001245000000000000	
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 LARAMIE CHICAGO IL 60650		10. US EPA ID Number ILD051937068		6. Illinois Facility ID 001245000000000000	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit
a. WASTE		No. Type		Quantity	Unit
X TRICHLOROETHYLENE ORMA UNIT 16		004 DM		00210	00210
b.					
c.					
d.					
CORRECTION(S) MADE PLEASE CORRECT GENERATOR COPY					
15. Special Handling Instructions and Additional Information					
WASTE HANDLING CERTIFICATION I AM A SMALL QUANTITY GENERATOR WHO HAS BEEN EXEMPTED BY FEDERAL OR REGULATION FROM THE DUTY TO OBTAIN A HAZARDOUS WASTE HANDLING CERTIFICATION UNDER SECTION 3001(b) OF RCRA. I ALSO CERTIFY THAT I HAVE A PROGRAM IN PLACE TO REDUCE THE VOLUME AND HAZARDITY OF WASTE GENERATED TO THE GREATEST REASONABLY PRACTICABLE AND I HAVE SELECTED THE METHOD OF TREATMENT, STORAGE, OR DISPOSAL CURRENTLY AVAILABLE TO ME WHICH MINIMIZES THE PRESENT AND FUTURE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT.					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this Consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.					
Printed/Typed Name DON JULEN		Signature Don Julien		Date Month Day Year 06/03/86	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Joe Pasquale		Date Month Day Year 06/03/86	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date Month Day Year	
19. Discrepancy Indication Space:					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name RICHARD BANASIAK		Signature Richard Banasiak		Date Month Day Year 16/3/86	



Please print or type.

(Form designed for use on alpha (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. <i>ILD005099230</i>	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address <i>FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515</i>		4. Generator's Phone ( <i>312</i> ) <i>971 0150</i>		All Illinois Manifest Document Number <i>11326647</i>	
5. Transporter 1 Company Name <i>BARON BLAKESLEE</i>		6. US EPA ID Number <i>ILD051937068</i>		Transporter's Phone <i>312 503 1800</i>	
7. Transporter 2 Company Name		8. US EPA ID Number		Transporter's Phone	
9. Designated Facility Name and Site Address <i>BARON BLAKESLEE 1634 LARAMIE CICERO IL 60650</i>		10. US EPA ID Number <i>ILD051937068</i>		Transporter's Phone <i>312 503 1800</i>	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit Wt/Vol
a. <i>WASTE</i>		No. Type			
b. <i>X TRICHLOROETHYLENE ORMA UN 1710</i>		<i>0050</i>		<i>00275</i>	<i>1</i>
c. <b>CORRECTION(S) MADE</b> <b>PLEASE CORRECT GENERATOR COPY</b>					
15. Special Handling Instructions and Additional Information		<div>WASTE MINIMIZATION CERTIFICATION UNLESS I AM A SMALL QUANTITY GENERATOR WHO HAS BEEN EXEMPTED BY STATUTE OR REGULATION FROM THE DUTY TO HAVE A WASTE MINIMIZATION CERTIFICATION UNDER SECTION 2402(b) OF RCRA, I ALSO CERTIFY THAT I HAVE A PROGRAM IN PLACE TO REDUCE THE VOLUME AND TOXICITY OF WASTE GENERATED TO THE GREATEST EXTENT FEASIBLE AND ECONOMICALLY PRACTICABLE AND I HAVE SELECTED THE METHOD OF TREATMENT, STORAGE, OR DISPOSAL CURRENTLY AVAILABLE TO ME WHICH PRESENTS THE FUTURE AND FUTURE THREAT TO HUMAN HEALTH AND THE ENVIRONMENT.</div>			
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this Consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.		Printed/Typed Name <i>Don Julien</i>		Signature <i>Don Julien</i>	Date <i>09/16/86</i>
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name <i>L. Simulis</i>		Signature <i>L. Simulis</i>	Date <i>09/16/86</i>
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.		Printed/Typed Name <i>RONALD BRANSIAK</i>		Signature <i>Ronald Bransiak</i>	Date <i>9/16/86</i>



Please print or type.

(Form designed for use on lifts (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2000-0404. Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No.	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address FLEXIBLE STEEL LACING CO 2525 WISCONSIN DOWNERS GROVE IL 60515		1. ILD 005099230		4. Illinois Manifest Document Number 11-1-25648		
4. Generator's Phone (312) 971-0150		6. US EPA ID Number 1. ILD 051937068		5. Illinois Hazardous Waste Site ID Number 000003		
5. Transporter 1 Company Name BARON BLAKESLEE		8. US EPA ID Number		6. Illinois Hazardous Waste Site ID Number 000003		
7. Transporter 2 Company Name		10. US EPA ID Number		7. Illinois Hazardous Waste Site ID Number 000003		
9. Designated Facility Name and Site Address BARON BLAKESLEE 1634 LARAMIE CICERO IL 60658		10. US EPA ID Number 1. ILD 051937068		8. Illinois Hazardous Waste Site ID Number 000003		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers		13. Total Quantity	14. Unit W/Vol	
a. HM WASTE		No. Type				
b. X TRICHLOROETHYLENE ORMA UN 1710		004 D N 002,0,0 1				
c.						
d.						
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.						
Printed/Typed Name DON JULEN		Signature Don Julien		Date 10/21/87		
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Darryl Cunningham		Date 10/21/87		
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date		
Printed/Typed Name		Signature		Date		
19. Discrepancy Indication Space						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.						
Printed/Typed Name RONALD BANASIAK		Signature Ronald Banasiak		Date 12/2/87		



Please print or type.

(Form designed for use on 8 1/2 x 11 (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved, OMB No. 2000-0404, Expires 7-31-86

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Ave. Downers Grove, Illinois 60515					Illinois Manifest Document Number 1E-1326649
4. Generator's Phone ( 312 ) 971-0150					10/13/9
5. Transporter 1 Company Name Baron Blakeslee		6. US EPA ID Number ILD051937068	Transporter's Phone		
7. Transporter 2 Company Name		8. US EPA ID Number	Transporter's Phone		
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650		10. US EPA ID Number ILD051937068	Transporter's Phone		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol	
a. Waste X Trichlorethylene Orma UN1710		003 D M	00/50	0.02-0.01	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national governmental regulations, and Illinois regulations.					
Printed/Typed Name Bill Amann		Signature Bill Amann		Date Month Day Year 04 02 87	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Joe Pascuto		Date Month Day Year 04 07 87	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name RONALD BANISIAR		Signature Ronald Banisiar		Date Month Day Year 14 17 87	



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Ave. Downers Grove, IL 60515			Illinois Manifest Document Number IL-1827496		
4. Generator's Phone ( 312 ) 971-0150			Illinois Generator's ID No. 10-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00		
5. Transporter 1 Company Name Baron Blakeslee			Illinois Transporter's ID No. 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00		
7. Transporter 2 Company Name			Illinois Transporter's ID No. 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00		
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650			Illinois Facility's ID No. 10-11-12-13-14-15-16-17-18-19-20-21-22-23-24-25-26-27-28-29-30-31-32-33-34-35-36-37-38-39-40-41-42-43-44-45-46-47-48-49-50-51-52-53-54-55-56-57-58-59-60-61-62-63-64-65-66-67-68-69-70-71-72-73-74-75-76-77-78-79-80-81-82-83-84-85-86-87-88-89-90-91-92-93-94-95-96-97-98-99-00		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No.	13. Total Quantity	14. Unit Wt/Vol
a. WASTE			0-0-1	D-M	0050
b. TRUCHLORETHYLENE ORMA UN1710					
c.					
d.					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name Bill Amann			Signature Bill Amann		Date 4 0 8 8
17. Transporter 1 Acknowledgement of Receipt of Materials			Signature L Simulis		Date 05/14/88
18. Transporter 2 Acknowledgement of Receipt of Materials			Signature		Date
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.			Signature RONALD DANASTAK		Date 05/14

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.																									
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Ave. Downers Grove, IL 60515		6. US EPA ID Number ILD051937068		All Illinois Manifest Document Number IL 51827492																										
4. Generator's Phone ( 312 ) 971-0150		8. US EPA ID Number		Illinois Generator's ID 030300003																										
5. Transporter 1 Company Name Baron Blakeslee		10. US EPA ID Number		Illinois Transporter's ID 010139																										
7. Transporter 2 Company Name		12. Containers		Illinois Transporter's Phone 63124450-3900																										
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650		13. Total Quantity		Illinois Facility's ID 0303000027																										
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		14. Unit W/Vol		Illinois Facility's Phone 63124450-3900																										
<table border="1"> <thead> <tr> <th>HM</th> <th>No.</th> <th>Type</th> <th>Total Quantity</th> <th>Unit W/Vol</th> </tr> </thead> <tbody> <tr> <td>a. X</td> <td>Mixture</td> <td>004DM</td> <td>0,02,0,01</td> <td></td> </tr> <tr> <td>b.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>c.</td> <td></td> <td></td> <td></td> <td></td> </tr> <tr> <td>d.</td> <td></td> <td></td> <td></td> <td></td> </tr> </tbody> </table>		HM	No.	Type	Total Quantity	Unit W/Vol	a. X	Mixture	004DM	0,02,0,01		b.					c.					d.								
HM	No.	Type	Total Quantity	Unit W/Vol																										
a. X	Mixture	004DM	0,02,0,01																											
b.																														
c.																														
d.																														
15. Special Handling Instructions and Additional Information																														
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations.</p> <p>Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.</p>																														
Printed/Typed Name Bill Amann		Signature <i>Bill Amann</i>		Date 06/30/87																										
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Rud J. INCANDELLO</i>		Date 07/08/87																										
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date																										
19. Discrepancy Indication Space		Signature		Date																										
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature <i>Edward Banastak</i>		Date 07/08/87																										



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, IL 60515			Allinois Manifest Document Number 154827493		
4. Generator's Phone ( 312 ) 971-0150			Illinois Generator's ID 10143104310101013		
5. Transporter 1 Company Name Baron Blakeslee			6. US EPA ID Number ILD051937068	Illinois Transporter's ID 1011319	
7. Transporter 2 Company Name			8. US EPA ID Number	Illinois Transporter's ID	
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650			10. US EPA ID Number ILD051937068	Illinois Facility's ID 1011319	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers	13. Total Quantity	14. Unit Wt/Vol
a. <input checked="" type="checkbox"/> Waste trichlorethylene Orma UN1710 (FOO1)			005 D M	0,0250	
b.					
c.					
d.					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name Bill Amann			Signature Bill Amann	Date 09/21/87	
17. Transporter 1 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name BUD INCHADELLA			Signature Bud Inchadella	Month Day Year 09/30/87	
18. Transporter 2 Acknowledgement of Receipt of Materials			Date		
Printed/Typed Name			Signature	Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in Item 19.					
Printed/Typed Name RONALD BRASIAK			Signature Ronald Brasia	Date 09/30/87	



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.		
3. Generator's Name and Mailing Address Flexible Steel Lacing co. 2525 Wisconsin Ave. Downers Grove, IL 60515					Illinois Manifest Document Number 1111827184		
4. Generator's Phone ( 312 ) 971-0150					Illinois Manifest Document Number 1111827184		
5. Transporter 1 Company Name Baron Blakeslee		6. US EPA ID Number ILD051937068				Illinois Manifest Document Number 1111827184	
7. Transporter 2 Company Name		8. US EPA ID Number				Illinois Manifest Document Number 1111827184	
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650		10. US EPA ID Number ILD051937068				Illinois Manifest Document Number 1111827184	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol			
a. <input checked="" type="checkbox"/> HM Waste Trichlorethylene Orma UN1710 (F001)		0 0 3 D M	0 0 1 1 5 0				
b.							
c.							
d.							
15. Special Handling Instructions and Additional Information							
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.							
Printed/Typed Name Bill Amann		Signature <i>Bill Amann</i>		Date 11/11/87			
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature <i>Bud Incanella</i>		Date 11/12/87			
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date			
Printed/Typed Name		Signature		Month Day Year			
19. Discrepancy Indication Space							
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.							
Printed/Typed Name RONALD BARNES		Signature <i>Ronald Barnes</i>		Date 11/12/87			



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (3-84)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Ave. Downers Grove, IL 60515			All Illinois Manifest Document Number IL 1827495		
4. Generator's Phone ( 312 ) 971-0150			Illinois Generator's ID ID 005099230		
5. Transporter 1 Company Name Baron Blakeslee			6. US EPA ID Number ILD051937068	C Illinois Transporter's ID ID 31274503900	Transporter's Phone 312 450 3900
7. Transporter 2 Company Name			8. US EPA ID Number	E Illinois Transporter's ID	Transporter's Phone
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650			10. US EPA ID Number ILD051937068	G Illinois Facility's ID ID 005099230	Facility's Phone 312 450 3900
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. HM X WASTE TRICHLOROETHYLENE ORMA UN1710 (FOO1)			0 0 4 D M	0 2 0 0	(
b.					
c.					
d.					
CORRECTION(S) MADE PLEASE CORRECT GENERATOR COPY					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations, and Illinois regulations. Unless I am a small quantity generator who has been exempted by statute or regulation from the duty to make a waste minimization certification under Section 3002(b) of RCRA, I also certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and I have selected the method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment.					
Printed/Typed Name Bill Amann			Signature Bill Amann		Date Month Day Year 0 1 2 9 8 8
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name BUTTAJACARDELLA			Signature Buttajacardella		Date Month Day Year 0 2 2 5 8 8
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name			Signature		Date Month Day Year
19. Discrepancy Indication Space					
20. Facility Owner or Operator Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.					
Printed/Typed Name RONALD BANASIAK			Signature Ronald Banasiak		Date Month Day Year 0 2 2 5 8 8

Please print or type.

(Form designed for use on eight (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-88

<b>UNIFORM HAZARDOUS WASTE MANIFEST</b>		1. Generator's US EPA ID No. ILD005094230		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Ave. Downers Grove, Illinois 60515				A. Illinois Manifest Document Number IL 2000856					
4. Generator's Phone ( 312 ) 971-0150				B. Illinois Generator's ID 0430300003					
5. Transporter 1 Company Name Baron Blakeslee				6. US EPA ID Number ILD051937068		C. Illinois Transporter's ID 01139		D. (312) 450-3900 Transporter's Phone	
7. Transporter 2 Company Name				8. US EPA ID Number		E. Illinois Transporter's ID		F. Transporter's Phone	
9. Designated Facility Name and Site Address Baron Blakeslee 1634 Laramie Cicero, IL 60650				10. US EPA ID Number ILD051937068		G. Illinois Facility's ID 031161010037		H. Facility's Phone (312) 450-3900	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Trichlorethylene Orma UN1710 (F001)				0-0-4 D.M.		00220		0.02001	
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information				16. Containers		17. Total Quantity		18. Unit	
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.				Signature Bill Amann		Date 04/21/88			
17. Transporter 1 Acknowledgement of Receipt of Materials				Signature Joe Pasciute		Date 04/25/88			
18. Transporter 2 Acknowledgement of Receipt of Materials				Signature		Date			
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Signature RONALD HANSTAK		Date 04/25/88			

UNOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\*

OUTSIDE ILLINOIS: 800 / 424-2802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA

PART - 3 FACILITY

PART - 4 TRANSPORTER

PART - 5 IEPA

PART - 6 GENERATOR

GENERATOR COPY - PART 1-DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.  
 This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a fine of not to exceed \$25,000 per day of violation. Failure to provide this information may result in a fine up to \$80,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Center.

FSL-047



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0039, Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005099230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Avenue Downers Grove, Illinois 60515		A. Illinois Manifest Document Number IL 2000857		B. Illinois Generator's ID 01430300003	
4. Generator's Phone (312-971-0150)	5. Transporter 1 Company Name Genesolv/Baron Blakeslee	6. US EPA ID Number ILD051937068	C. Illinois Transporter's ID 01139	D. (312) 450-3900 Transporter's Phone	
7. Transporter 2 Company Name	8. US EPA ID Number	E. Illinois Transporter's ID	F. Transporter's Phone		
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160		10. US EPA ID Number ILD051937068	G. Illinois Facility's ID 03160000037	H. Facility's Phone (312) 450-3900	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)			12. Containers No. Type	13. Total Quantity	14. Unit Wt/Vol
a. Waste Trichlorethylene Orma UN1710 (F001)			0 0 3 DM	0 0 1 6 5	1
b.					
c.					
d.					
J. Additional Descriptions for Materials Listed Above					
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Bill Amann		Signature <i>Bill Amann</i>		Date Month Day Year 0 6 1 4 8 8	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name <i>Joe Pasquale</i>		Signature <i>Joe Pasquale</i>		Date Month Day Year 0 6 1 4 8 8	
18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		Signature		Date Month Day Year	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.				Date	
Printed/Typed Name <i>KONRAD BANASTAK</i>		Signature <i>Konrad Banastak</i>		Date Month Day Year 0 6 1 6 8 8	

Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039. Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005094230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Avenue Downers Grove, Illinois 60515		A. Illinois Manifest Document Number IL 2000858		B. Illinois Generator's ID 0430300003	
4. Generator's Phone (312-971-0150)		6. US EPA ID Number ILD051937068		C. Illinois Transporter's ID 1011319	
5. Transporter 1 Company Name Genesolv/Baron Blakeslee		8. US EPA ID Number		D. (312) 450-3900 Transporter's Phone	
7. Transporter 2 Company Name		8. US EPA ID Number		E. Illinois Transporter's ID	
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160		10. US EPA ID Number ILD051937068		F. Transporter's Phone	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity Unit	
a. Waste Trichlorethylene Orma UN1710 (F001)		0.0.6 D.M.		00310 1	
b.				EPA HW Number XX-XXXX-1	
c.				EPA HW Number XX-XXXX-1	
d.				EPA HW Number XX-XXXX-1	
14. Additional Descriptions for Materials Listed Above		15. Additional Descriptions for Materials Listed Above		Gallons 2 = Cubic Yards	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree that is economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.					
Printed/Typed Name Bill Amann		Signature Bill Amann		Date 09/14/88	
17. Transporter 1 Acknowledgement of Receipt of Materials		Signature Eldridge Loveless		Date 10/10/88	
18. Transporter 2 Acknowledgement of Receipt of Materials		Signature		Date	
19. Discrepancy Indication Space					
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Signature RONALD BAWISIAK		Date 10/10/88	

IN ILLINOIS: 217 / 782-3637

\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS

OUTSIDE ILLINOIS: 800 / 424-5802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA PART - 3 FACILITY PART - 4 TRANSPORTER PART - 5 IEPA PART - 6 GENERATOR

REV. 7

GENERATOR COPY - PART 1-DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED.

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a fine of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved.

FSI-049



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005094230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Avenue Downers Grove, Illinois 60515		6. US EPA ID Number ILD051937068		A. Illinois Manifest Document Number IL 2000859	
4. Generator's Phone (312-971-0150)		8. US EPA ID Number		B. Illinois Generator's ID 0 0 3 0 3 0 0 0 0 3	
5. Transporter 1 Company Name Genesolv/Baron Blakeslee		10. US EPA ID Number		C. Illinois Transporter's ID 0 1 3 9	
7. Transporter 2 Company Name		12. Containers No. Type		D. (312) 450-3900 Transporter's Phone	
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160		13. Total Quantity 0 0 2 2 0 1		E. Illinois Transporter's ID	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number) a. Waste <u>ORM-A</u> Trichlorethylene <u>ORM-A</u> UN1710 (F001) b. <u>MIXTURE</u> c. d.		14. Unit MT/VOL		F. (312) 450-3900 Transporter's Phone	
15. Special Handling Instructions and Additional Information		16. Containers No. Type		G. Illinois Facility's ID 0 3 1 6 0 0 0 0 3 7	
17. Transporter 1 Acknowledgement of Receipt of Materials Printed/Typed Name Michael Crowley		18. Transporter 2 Acknowledgement of Receipt of Materials Printed/Typed Name		H. Facility's Phone (312) 450-3900	
19. Discrepancy Indication Space <b>CORRECTION(S) MADE</b> <b>PLEASE CORRECT GENERATOR COPY</b>		20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. Printed/Typed Name STEVE A. BANASIAK		Date 03/08/89	

Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-88

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005094230		Manifest Document No.		2. Page 1 of		Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515				A. Illinois Manifest Document Number IL 2000860					
4. Generator's Phone (312-971-0150)				B. Illinois Generator's ID No. 00431503100103					
5. Transporter 1 Company Name Genesolv/Baron Blakeslee				6. US EPA ID Number ILD051937068		C. Illinois Transporter's ID No. 01245039003			
7. Transporter 2 Company Name				8. US EPA ID Number		D. Illinois Transporter's Phone			
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160				10. US EPA ID Number ILD051937068		E. Illinois Facility's ID No. 01245039003			
						F. Illinois Facility's Phone			
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)				12. Containers No. Type		13. Total Quantity		14. Unit Wt/Vol	
a. Waste Trichlorethylene Mixture ORM-A UN1710 (F001)				0.0.5 D.M		0.0.2.7.5		1	
b.									
c.									
d.									
15. Special Handling Instructions and Additional Information									
<p>16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.</p> <p>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.</p>									
Printed/Typed Name Bill Amann				Signature <i>Bill Amann</i>		Date 03/23/89			
17. Transporter 1 Acknowledgement of Receipt of Materials				Printed/Typed Name BOB LACCARDELLA		Signature <i>Bob Laccardella</i>		Date 03/29/89	
18. Transporter 2 Acknowledgement of Receipt of Materials				Printed/Typed Name		Signature		Date	
19. Discrepancy Indication Space									
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.								Date	
Printed/Typed Name STEVE A. BANASIAK				Signature <i>Steve A. Banasiak</i>		Date 04/05/89			

ILLINOIS: 217 / 782-3637

**\*24 HOUR EMERGENCY AND SPILL ASSISTANCE NUMBERS\***

OUTSIDE ILLINOIS: 800 / 424-8802 or 202 / 426-2675

DISTRIBUTION: PART - 1 GENERATOR PART - 2 IEPA

PART - 3 FACILITY

## PART - 4 TRANSPORTER

PART - 5 IEPA

## PART - 6 GENERATOR

REV. 7

GENERATOR COPY - PART 1-DO NOT REMOVE PART 1 FROM SET UNTIL COMPLETED

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in penalties of not to exceed \$25,000 per day of violation. Substitution of this information for the information required by the Illinois Revised Statutes, Chapter 111½, Section 21, is prohibited.



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039. Expires 9-30-89

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005094230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.	
3. Generator's Name and Mailing Address Flexible Steel Lacing Company 2525 Wisconsin Avenue Downers Grove, Illinois 60515		A. Illinois Manifest Document Number IL 2237291		B. Illinois Generator's ID No. 030		
4. Generator's Phone (312-971-0150)		C. Illinois Transporter's ID No. 0139		D. Illinois Transporter's Phone 312-750-3900		
5. Transporter 1 Company Name Genesolv/Baron Blakeslee		6. US EPA ID Number ILD051937068		E. Illinois Transporter's ID No.		
7. Transporter 2 Company Name		8. US EPA ID Number		F. Illinois Transporter's Phone		
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160		10. US EPA ID Number ILD051937068		G. Illinois Generator's ID No. 030		
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity		14. Unit Mt/Vol
a. Waste Trichlorethylene Mixture ORM-A UN1710 (F001)		0.0.4 D.M		0.0.2.2.0		1
b.						
c.						
d.						
J. Additional Descriptions for Materials Listed Above		K. Labeling Codes for Wastes Listed Above				
		Gallons 2 = Cubic Yards				
15. Special Handling Instructions and Additional Information						
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.						
Printed/Typed Name Bill Amann		Signature Bill Amann		Date 07/10/89		
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name Bud Incanella		Signature Bud Incanella		Date 07/11/89
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature		Date
19. Discrepancy (if any) between generator and transporter copies <b>CORRECTION(S) MADE</b> <b>PLEASE CORRECT GENERATOR COPY</b>						
20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name Pete Poo		Signature		Date 7.27.89



## STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF ENVIRONMENTAL HEALTH  
2200 CHURCHILL ROAD, SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761  
P.O. BOX 19276

IL532-0810

LPC 62 8/81

Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-89

UNIFORM HAZARDOUS WASTE MANIFEST		1. Generator's US EPA ID No. ILD005094230	Manifest Document No.	2. Page 1 of	Information in the shaded areas is not required by Federal law, but is required by Illinois law.
3. Generator's Name and Mailing Address Flexible Steel Lacing Co. 2525 Wisconsin Avenue Downers Grove, IL 60515		4. Generator's Phone (312-971-0150)		A. Illinois Manifest Document Number 10-2237292	
5. Transporter 1 Company Name Genesolv/Baron Blakeslee		6. US EPA ID Number ILD051937068		B. Illinois Manifest Document Number 10-2237292	
7. Transporter 2 Company Name		8. US EPA ID Number		C. Illinois Manifest Document Number 10-2237292	
9. Designated Facility Name and Site Address Genesolv/Baron Blakeslee 2001 N. Janice Avenue Melrose Park, Illinois 60160		10. US EPA ID Number ILD051937068		D. Illinois Manifest Document Number 10-2237292	
11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)		12. Containers No. Type		13. Total Quantity Unit	
a. Waste Trichlorethylene Mixture ORM-A UN1710 (F001)		0.0.5 D.M.		OK 0.0.2,7,5 1	
b.					
c.					
14. Additional Descriptions for Materials Listed Above		K. Handling Codes for Wastes Listed Above		1. Gallons 2. Cubic Yards	
15. Special Handling Instructions and Additional Information					
16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations. If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.		Printed/Typed Name Bill Amann		Signature Bill Amann	
17. Transporter 1 Acknowledgement of Receipt of Materials		Printed/Typed Name BOB INCHAPPELLA		Signature Bob Inchappella	
18. Transporter 2 Acknowledgement of Receipt of Materials		Printed/Typed Name		Signature	
19. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.		Printed/Typed Name PETER LEO		Signature Peter Leo	

**CORRECTION(S) MADE**  
**PLEASE CORRECT GENERATOR COPY**



FEB 10 1990

Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0039, Expires 9-30-89

# UNIFORM HAZARDOUS WASTE MANIFEST

1. Generator's US EPA ID No.  
ILD005094230

Manifest Document No.

2. Page 1 of

Information in the shaded areas is not required by Federal law, but is required by Illinois law.

3. Generator's Name and Mailing Address

Flexible Steel Lacing Co.  
2525 Wisconsin Avenue  
Downers Grove, IL 60515

4. Generator's Phone

(708-971-0150)

5. Transporter 1 Company Name

Genesolv/Baron Blakeslee

6.

US EPA ID Number

ILD051937068

7. Transporter 2 Company Name

8.

US EPA ID Number

9. Designated Facility Name and Site Address

Genesolv/Baron Blakeslee  
2001 N. Janice Avenue  
Melrose Park, Illinois 60160

10.

US EPA ID Number

ILD051937068

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

12. Containers

No.

Type

13. Total Quantity

14. Unit Wt/Vol

a.

Waste

Trichloroethylene Mixture ORM-A UN1710 (F001)

0. 0. 6

D. M

0. 0. 3. 3. 0

1

b.

c.

d.

J. Additional Descriptions for Materials Listed Above

K. Handling Conditions for Materials Listed Above  
1. 2. 3. 4. 5. 6. 7. 8. 9. 10. 11. 12. 13. 14. 15. 16. 17. 18. 19. 20. 21. 22. 23. 24. 25. 26. 27. 28. 29. 30. 31. 32. 33. 34. 35. 36. 37. 38. 39. 40. 41. 42. 43. 44. 45. 46. 47. 48. 49. 50. 51. 52. 53. 54. 55. 56. 57. 58. 59. 60. 61. 62. 63. 64. 65. 66. 67. 68. 69. 70. 71. 72. 73. 74. 75. 76. 77. 78. 79. 80. 81. 82. 83. 84. 85. 86. 87. 88. 89. 90. 91. 92. 93. 94. 95. 96. 97. 98. 99. 100.

15. Special Handling Instructions and Additional Information

16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.

If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford.

Printed/Typed Name

Bill Amann

Signature

*Bill Amann*

Date

Month Day Year

01/17/90

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name

JOE PASCIUTO

Signature

*Joe Pasciuto*

Date

Month Day Year

02/12/90

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Month Day Year

19. Discrepancy Indication Space

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Date

Printed/Typed Name

PETER LOO

Signature

*Peter Loo*

Month Day Year

12/13/90



Please print or type.

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0038, Expires 9-30-89

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230 | Manifest Document No. | 2. Page 1 of   | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|--|-----------------------|--|--|
| 3. Generator's Name and Mailing Address<br>FLEXIBLE STEEL LACING CO.<br>2525 WISCONSIN AVENUE<br>DOWNERS GROVE, IL 60515   |  | 6. US EPA ID Number<br>ILD051937068          |                       | 7. Illinois Manifest Document Number<br>11-223-7294  |  |
| 4. Generator's Phone (708-971-0151)  |  | 8. US EPA ID Number                          |                       | 8. Illinois Manifest Document Number<br>11-223-7294  |  |
| 5. Transporter 1 Company Name<br>GENESOLV/BARON BLAKESLEE  |  | 9. US EPA ID Number                          |                       | 9. Illinois Manifest Document Number<br>11-223-7294  |  |
| 7. Transporter 2 Company Name  |  | 10. US EPA ID Number                         |                       | 10. Illinois Manifest Document Number<br>11-223-7294 |  |
| 9. Designated Facility Name and Site Address<br>GENESOLV/BARON BLAKESLEE<br>2001 N. JANICE AVENUE<br>MELROSE PARK, IL 60160  |  | 10. US EPA ID Number<br>ILD051937068         |                       | 10. Illinois Manifest Document Number<br>11-223-7294 |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  | 12. Containers<br>No.                        | Type                  | 13. Total Quantity                                   | 14. Unit<br>M/V/Box  |
| a. WASTE<br>TRICHLOROETHYLENE MIXTURE ORM-A UN1710 (F001)  |  | 0.0.6  | D.M.                  | 310<br>0.0.2   | 1  |
| b.   |  |  |                       |  |  |
| c.   |  |  |                       |  |  |
| d.   |  |  |                       |  |  |
| 15. Special Handling Instructions and Additional Information   |  |  |                       |  |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |  |                       |  |  |
| Printed/Typed Name<br>Bill Amann   |  | Signature<br>Bill Amann                      |                       | Date<br>04/05/90                                     |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  |  |                       |  |  |
| Printed/Typed Name<br>Joe Pasquale   |  | Signature<br>Joe Pasquale                    |                       | Date<br>06/04/90                                     |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  |  |                       |  |  |
| Printed/Typed Name   |  | Signature                                    |                       | Date   |  |
| 18. Discrepancy Indication Space   |  |  |                       |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  |  |                       |  |  |
| Printed/Typed Name<br>Peter Loo  |  | Signature<br>Peter Loo                       |                       | Date<br>16-5-90                                      |  |



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039. Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230 | Manifest Document No.  | 2. Page 1 of | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |  |
|--|--|--|--|--------------|--|--|
| 3. Generator's Name and Mailing Address<br>Flexible Steel Lacing Co.<br>2525 Wisconsin Avenue<br>Downers Grove, IL 60515   |  |  | A. Illinois Manifest Document Number<br>IL 3015821<br>B. Illinois Generator's ID<br>10143803001013<br>C. Illinois Transporter's ID<br>011319<br>D. (708) 450-3900<br>E. Illinois Transporter's ID<br>F. (708) 450-3900<br>G. Illinois Facility<br>H. Facility's Phone<br>I. Facility's Address<br>J. Facility's City<br>K. Facility's State<br>L. Facility's Zip |              |  |  |
| 4. Generator's Phone (708-971-0150)  |  |  | B. Illinois Generator's ID   |              |  |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  |  | C. Illinois Transporter's ID   |              |  |  |
| 7. Transporter 2 Company Name  |  |  | E. Illinois Transporter's ID   |              |  |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, Illinois 60160  |  |  | G. Illinois Facility   |              |  |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  |  | 12. Containers<br>No. Type   |              |  |  |
| a. Waste<br>Trichloroethylene Mixture ORM-A UN1710 (F001)  |  |  | 0 0 4 DM 0 0 2 2 0 1   |              |  |  |
| b.   |  |  |  |              |  |  |
| c.   |  |  |  |              |  |  |
| d.   |  |  |  |              |  |  |
| J. Additional Descriptions for Materials Listed Above  |  |  | K. Handling Codes for Wastes Listed Above<br>1 = Gallons 2 = Cubic Yards   |              |  |  |
| 15. Special Handling Instructions and Additional Information   |  |  |  |              |  |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |  |  |              |  |  |
| Printed/Typed Name<br>Bill Amann   |  |  | Signature<br>Bill Amann  |              | Date<br>09/11/90   |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  |  | Signature<br>Joe Pasciuto  |              | Date<br>09/12/90   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  |  | Signature  |              | Date   |  |
| 19. Discrepancy Indication Space   |  |  |  |              |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  |  |  |              |  |  |
| Printed/Typed Name<br>PETER LOO  |  |  | Signature<br>Peter Loo   |              | Date<br>9/13/90  |  |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0038, Expires 9-30-91

|  |  |   |  |  |  |   |  |  |  |
|--|--|---|--|--|--|---|--|--|--|
| <b>UNIFORM HAZARDOUS WASTE MANIFEST</b>  |  | 1. Generator's US EPA ID No.<br>ILD005094230  |  | Manifest Document No.                              |  | 2. Page 1 of                              |  | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |  |
| 3. Generator's Name and Mailing Address  |  | Location If Different:<br>Flexible Steel Lacing Co.<br>2525 Wisconsin Avenue<br>Downers Grove, IL 60515 |  | A. Illinois Manifest Document Number<br>11-3015822 |  | B. Illinois Generator's ID<br>07084502908 |  | C. Illinois Transporter's ID<br>07084502908  |  |
| 4. Generator's Phone (708-971-0150)  |  | 6. US EPA ID Number<br>ILD051937068   |  | D. Illinois Transporter's ID<br>07084502908        |  | E. Illinois Facility's ID<br>07084502908  |  | F. Illinois Facility's Phone<br>708-450-2908   |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  | 8. US EPA ID Number   |  | G. Illinois Transporter's ID                       |  | H. Illinois Facility's ID                 |  | I. Illinois Facility's Phone   |  |
| 7. Transporter 2 Company Name  |  | 10. US EPA ID Number  |  | J. Illinois Transporter's ID                       |  | K. Illinois Facility's ID                 |  | L. Illinois Facility's Phone   |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, IL 60160  |  | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)                    |  | 12. Containers                                     |  | 13. Total Quantity                        |  | 14. Unit   |  |
| a. Waste RQ (100 LBS)<br>Trichloroethylene Mixture ORM-A UN1710 (F001)   |  | 0.0.6 D.M.  |  | 0.0.3.3.0  |  | 1   |  |  |  |
| b.   |  |   |  |  |  |   |  |  |  |
| c.   |  |   |  |  |  |   |  |  |  |
| d.   |  |   |  |  |  |   |  |  |  |
| 15. Special Handling Instructions and Additional Information   |  | Additional Descriptions for Materials Listed Above  |  | Handling Codes for Waste                           |  | Gallons                                   |  | Subcubic Yards   |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  | Printed/Typed Name<br>Bill Amann  |  | Signature<br>Bill Amann                            |  | Date<br>Month Day Year<br>01/11/91        |  |  |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  | Printed/Typed Name<br>JOE PASCIUTO  |  | Signature<br>Joe Pasciuto                          |  | Date<br>Month Day Year<br>01/14/91        |  |  |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  | Printed/Typed Name  |  | Signature  |  | Date<br>Month Day Year                    |  |  |  |
| 19. Discrepancy Indication Space   |  |   |  |  |  |   |  |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  | Printed/Typed Name<br>PETER LOO   |  | Signature<br>Peter Loo                             |  | Date<br>Month Day Year<br>11/15/91        |  |  |  |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111½, Section 21, that this information be submitted to the Agency. Failure to provide the information may result in a civil penalty against the owner or operator of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation and imprisonment up to 5 years. This form has been approved by the Forms Management Center.

COPY 1. TSD MAIL TO GENERATOR



APR 15 1991

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS  
AND SPECIAL WASTE.

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230                              | Manifest Document No. | 2. Page 1 of  | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|-----------------------|---|--|
| 3. Generator's Name and Mailing Address<br>Location If Different<br>Flexible Steel Lacing Co.<br>2525 Wisconsin Avenue<br>Downers Grove, IL 60515  |  | 6. US EPA ID Number<br>ILD051937068                                       |                       | A. Illinois Manifest Document Number<br>IL 3015823<br>B. Illinois Generator ID<br>00428020003<br>C. Illinois Transporter ID<br>007084504900<br>D. Illinois Transporter ID<br>007084504900 |  |
| 4. Generator's Phone (708-971-0150)  |  | 8. US EPA ID Number   |                       | E. Illinois Facility ID<br>003016763030307<br>F. Illinois Facility ID<br>003016763030307  |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  | 10. US EPA ID Number<br>ILD051937068                                      |                       | G. Illinois Facility ID<br>003016763030307  |  |
| 7. Transporter 2 Company Name  |  |   |                       | H. Illinois Facility ID<br>003016763030307  |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, IL 60160  |  |   |                       | I. Illinois Facility ID<br>003016763030307  |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  | 12. Containers<br>No. Type  |                       | 13. Total Quantity<br>Unit  |  |
| a. Waste RQ (100 LBS)<br>Trichloroethylene Mixture ORM-A UN1710 (F001)   |  | 0 0.4 D.M.  |                       | 0 0-2-2-0 1   |  |
| b.   |  |   |                       |   |  |
| c.   |  |   |                       |   |  |
| d.   |  |   |                       |   |  |
| 14. Additional Descriptions for Materials Listed Above<br>(DOYO)   |  | 15. Handling Codes for Wastes Listed Above<br>1 = Gallons 2 = Cubic Yards |                       |   |  |
| 15. Special Handling Instructions and Additional Information   |  |   |                       |   |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |   |                       |   |  |
| Printed/Typed Name<br>Bill Amann   |  | Signature<br>Bill Amann   |                       | Date<br>03/22/91  |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  | Signature<br>Joe Pasciuto   |                       | Date<br>04/04/91  |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  | Signature   |                       | Date  |  |
| 19. Discrepancy Indication Space<br><b>CORRECTION(S) MADE</b><br><b>PLEASE CORRECT GENERATOR COPY</b>  |  |   |                       |   |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  | Signature<br>Peter Loo  |                       | Date<br>4/04/91   |  |



AUG 05 1991

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 6700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230  | Manifest Document No. | 2. Page 1 of   | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|-----------------------|--|--|
| 3. Generator's Name and Mailing Address<br>Flexible Steel Lacing Co.<br>2525 Wisconsin Avenue<br>Downers Grove, IL 60515             |  | Location If Different:  |                       | A. Illinois Manifest Document Number<br>UL 3015824<br>MANIFEST FEE EXEMPT  |  |
| 4. Generator's Phone (708-971-0150)  |  | 6. US EPA ID Number<br>ILD051937068   |                       | B. Illinois Generator's ID<br>0438030003   |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  | 8. US EPA ID Number   |                       | C. Illinois Transporter's ID<br>10111319   |  |
| 7. Transporter 2 Company Name  |  | 10. US EPA ID Number  |                       | D. (708) 450-3900 Transporter's Phone  |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, IL 60160          |  | 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)<br>a. Waste<br>Trichloroethylene Mixture ORM-A UN1710 (F001) |                       | E. Illinois Transporter's ID<br>10111319   |  |
|  |  |   |                       | F. (708) 450-3900 Transporter's Phone  |  |
|  |  |   |                       | G. Illinois Facility's ID<br>03146100000317  |  |
|  |  |   |                       | H. Facility's Phone<br>(708) 450-3900  |  |
|  |  |   |                       | I. Additional Descriptions for Materials Listed Above  |  |
|  |  |   |                       | J. Handling Codes for Wastes Listed Above<br>In Item #14<br>1 = Gallons 2 = Cubic Yards  |  |
|  |  |   |                       | 15. Special Handling Instructions and Additional Information   |  |
|  |  |   |                       | 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |
| Printed/Typed Name<br>Bill Amann   |  | Signature<br>Bill Amann   |                       | Date<br>061291   |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  | Printed/Typed Name<br>BUD INCANIELLA  |                       | Signature<br>Bud Incanella   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  | Printed/Typed Name  |                       | Signature  |  |
| 19. Discrepancy Indication Space<br>SECTION I F001<br>SECTION A RQ 100#<br>SECTION J D040  |  | CORRECTION(S) MADE<br>PLEASE CORRECT GENERATOR COPY   |                       | Date   |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. |  | Printed/Typed Name<br>PETER LOO   |                       | Signature<br>Peter Loo   |  |
|  |  |   |                       | Date<br>709-91   |  |



## STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS  
AND SPECIAL WASTE.

State Form LPC 62 B/81

IL532-0610

PLEASE TYPE

(Form designed for use on site (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-88)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230  | Manifest Document No. | 2. Page 1 of   | information in the shaded areas is not required by Federal law, but is required by Illinois law. |
|--|--|---|-----------------------|--|--|
| 3. Generator's Name and Mailing Address<br>Flexible Steel Lacing Company<br>2525 Wisconsin Avenue<br>Downers Grove, Illinois 60515   |  | Location If Different:<br><b>OCT 14 1991</b>  |                       | A. Illinois Manifest Document Number<br><b>IL 3015825</b><br>MANIFEST FEE EXEMPT |  |
| 4. Generator's Phone (708-971-0150)  |  | 6. US EPA ID Number<br>ILD051937068   |                       | B. Illinois Generator's ID<br>0438000003   |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  | 8. US EPA ID Number   |                       | C. Illinois Transporter's ID<br>D(708)450-3900                                   |  |
| 7. Transporter 2 Company Name  |  | 10. US EPA ID Number  |                       | E. Illinois Transporter's ID<br>F. Illinois Transporter's Phone                  |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, Illinois 60160  |  | 12. Containers<br>No. Type  |                       | 13. Total Quantity<br>14. Unit Wt/Vol  |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  | 12. Containers<br>No. Type  |                       | 13. Total Quantity<br>14. Unit Wt/Vol  |  |
| a. Waste<br>Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100)  |  | 0.0.4 D.M   |                       | 0.0.2.2.0.1  |  |
| b.   |  |   |                       |  |  |
| c.   |  |   |                       |  |  |
| d.   |  |   |                       |  |  |
| J. Additional Descriptions for Materials Listed Above<br>0040  |  | K. Handling Codes for Wastes Listed Above<br>in Item #14<br>1 = Gallons 2 = Cubic Yards |                       |  |  |
| 15. Special Handling Instructions and Additional Information<br>EMERGENCY RESPONSE PHONE NO<br>708-450-7784 FRANK NELSON 7:00-3:30pm   |  |   |                       |  |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |   |                       |  |  |
| Printed/Typed Name<br>Bill Amann   |  | Signature<br>Bill Amann   |                       | Date<br>Month Day Year<br>09/03/91   |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  | Signature<br>Joe Pasquale   |                       | Date<br>Month Day Year<br>09/06/91   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  | Signature   |                       | Date<br>Month Day Year   |  |
| 19. Discrepancy Indication Space<br>SECTION 15. Generation should supply emergency response phone NO.  |  |   |                       |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  | Signature<br>Peter Lop  |                       | Date<br>Month Day Year<br>9-6-91   |  |

This Agency is authorized to require, pursuant to Illinois Revised Statutes, Chapter 111 1/2 Section 21, that this information be submitted to the Agency. Failure to provide this information may result in a fine of not to exceed \$25,000 per day of violation. Falsification of this information may result in a fine up to \$50,000 per day of violation. This information has been submitted to the Environmental Protection Agency, Office of Emergency Response at 4111 Old Orchard Road, Springfield, Illinois 62761.

## STATE OF ILLINOIS

ENVIRONMENTAL PROTECTION AGENCY DIVISION OF LAND POLLUTION CONTROL

DEC 2 8 1991

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 82 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS  
AND SPECIAL WASTE.

PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved, OMB No. 2050-0039, Expires 9-30-91

**UNIFORM HAZARDOUS  
WASTE MANIFEST**1. Generator's US EPA ID No.  
ILD005094230Manifest  
Document No.2. Page 1  
ofInformation in the shaded areas is not  
required by Federal law, but is required  
by Illinois law.3. Generator's Name and Mailing Address  
Flexible Steel Lacing Company  
2525 Wisconsin Avenue  
Downers Grove, Illinois 60515

Location If Different:

4. Generator's Phone (708-971-0150)

5. Transporter 1 Company Name  
Genesolv/Baron Blakeslee6. US EPA ID Number  
ILD051937068

7. Transporter 2 Company Name

8. US EPA ID Number

9. Designated Facility Name and Site Address  
Genesolv/Baron Blakeslee  
2001 N. Janice Avenue  
Melrose Park, Illinois 6016010. US EPA ID Number  
ILD051937068

11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)

a. Waste  
Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100)12. Containers  
No. Type13. Total  
Quantity14. Unit  
Wt/Vol

0 0 6 D M 0 0 3 3 0 1

J. Additional Descriptions for Materials Listed Above

L/T  
D040K. Handling Codes for Wastes Listed Above  
In Item 11  
1 = Gallons 2 = Cubic Yards

15. Special Handling Instructions and Additional Information

Emergency Response Phone Number  
708-450-7784 Fred Nelson 7:00 - 3:30 PM

ERG #74

18. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by  
proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway  
according to applicable international and national government regulations.If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be  
economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and  
future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select  
the best waste management method that is available to me and that I can afford.Printed/Typed Name  
Bill AmannSignature  
Bill AmannDate  
Month Day Year  
1 2 0 3 9 1

17. Transporter 1 Acknowledgement of Receipt of Materials

Printed/Typed Name  
Bill AmannSignature  
Bill AmannDate  
Month Day Year  
1 2 0 3 9 1

18. Transporter 2 Acknowledgement of Receipt of Materials

Printed/Typed Name

Signature

Date  
Month Day Year

19. Discrepancy Indication Space

15. Added ERG #74 Jon

20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.

Printed/Typed Name  
PETER LOOSignature  
Peter LooDate  
Month Day Year  
1 2 0 3 9 1

In case of a spill call the Illinois Office of Emergency Response at 217/782-3031 and the National Response Center at 800/424-9311.



PLEASE TYPE

(Form designed for use on elite (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230 |  | Manifest Document No.  |  | 2. Page 1 of  |  | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |  |
|--|--|--|--|--|--|---|--|--|--|
| 3. Generator's Name and Mailing Address<br>Flexible Steel Lacing Company<br>2525 Wisconsin Avenue<br>Downers Grove, Illinois 60515   |  |  |  | Location If Different:   |  | A. Illinois Manifest Document Number<br>IL 3015828<br>MANIFEST FEE EXEMPT |  |  |  |
| 4. Generator's Phone (708-971-0150)  |  |  |  | 6. US EPA ID Number<br>ILD051937068  |  | B. Illinois Generator's ID<br>10438030013                                 |  |  |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  |  |  | 8. US EPA ID Number  |  | C. Illinois Transporter's ID<br>1011319                                   |  |  |  |
| 7. Transporter 2 Company Name  |  |  |  | 10. US EPA ID Number   |  | D. (708) 222-3892 Transporter's Phone                                     |  |  |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, Illinois 60160    |  |  |  | 12. Containers<br>No. Type   |  | 13. Total Quantity<br>SAB<br>00325  |  | 14. Unit<br>WT/VOL   |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  |  |  | 15. Special Handling Instructions and Additional Information<br>Emergency Response Phone Number<br>708-222-3892 Fred Nelson 7:00 - 3:30 PM<br>ERG#74   |  | K. Handling Codes for Wastes Listed Above<br>1 = Gallons 2 = Cubic Yards  |  |  |  |
| a. Waste<br>Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100)  |  |  |  | 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  | Date<br>Month Day Year<br>08 12 19 92                                     |  |  |  |
| b.   |  |  |  | Printed/Typed Name<br>Bill Amann   |  | Signature<br><i>Bill Amann</i>  |  | Date<br>Month Day Year<br>08 12 19 92  |  |
| c.   |  |  |  | 17. Transporter 1 Acknowledgement of Receipt of Materials<br>Printed/Typed Name<br>BUD E. NELSON   |  | Signature<br><i>Bud E. Nelson</i>   |  | Date<br>Month Day Year<br>09 03 92   |  |
| d.   |  |  |  | 18. Transporter 2 Acknowledgement of Receipt of Materials<br>Printed/Typed Name  |  | Signature   |  | Date<br>Month Day Year   |  |
| J. Additional Descriptions for Materials Listed Above<br>AD040   |  |  |  | 19. Discrepancy Indication Space<br>Det. <del>Corrected Quantity</del> New Phone #.<br>Ba. Corrected Quantity  |  |   |  |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19. |  |  |  | Date<br>Month Day Year<br>09 03 92   |  |   |  |  |  |
| Printed/Typed Name<br>STEVEN A. BANASIAK   |  |  |  | Signature<br><i>St. C. B.</i>  |  | Date<br>Month Day Year<br>09 03 92  |  |  |  |



STATE OF ILLINOIS

DEC 07 1992

P.O. BOX 19276

SPRINGFIELD, ILLINOIS 62794-9276 (217) 782-6761

State Form LPC 62 8/81

IL532-0610

FOR SHIPMENT OF HAZARDOUS, INFECTIOUS  
AND SPECIAL WASTE.

PLEASE TYPE

(Form designed for use on ellipse (12-pitch) typewriter.)

EPA Form 8700-22 (Rev. 9-86)

Form Approved. OMB No. 2050-0039, Expires 9-30-91

| UNIFORM HAZARDOUS WASTE MANIFEST   |  | 1. Generator's US EPA ID No.<br>ILD005094230 | Manifest Document No.  | 2. Page 1 of | Information in the shaded areas is not required by Federal law, but is required by Illinois law. |  |
|--|--|--|--|--------------|--|--|
| 3. Generator's Name and Mailing Address<br>Flexible Steel Lacing Company<br>2525 Wisconsin Avenue<br>Downers Grove, Illinois 60515   |  |  | Location If Different:   |              | A. Illinois Manifest Document Number<br>IL 3015829   |  |
| 4. Generator's Phone ( ) #708-971-0150   |  |  | 6. US EPA ID Number<br>ILD051937068                                |              | B. Illinois Generator's ID<br>1043801360000  |  |
| 5. Transporter 1 Company Name<br>Genesolv/Baron Blakeslee  |  |  | 7. Transporter 2 Company Name                                      |              | C. Illinois Transporter ID<br>7082223891   |  |
| 9. Designated Facility Name and Site Address<br>Genesolv/Baron Blakeslee<br>2001 N. Janice Avenue<br>Melrose Park, Illinois 60160  |  |  | 10. US EPA ID Number<br>ILD051937068                               |              | D. Illinois Transporter Phone  |  |
| 11. US DOT Description (Including Proper Shipping Name, Hazard Class, and ID Number)   |  |  | 12. Containers<br>No. Type   |              | 13. Total Quantity<br>14. Unit Wt/Vol  |  |
| a. Waste<br>Trichloroethylene Mixture ORM-A UN1710 (F001) RQ(100)  |  |  | 0 0 5 DM   |              | 0 0 2 7 5 1  |  |
| b.   |  |  |  |              |  |  |
| c.   |  |  |  |              |  |  |
| d.   |  |  |  |              |  |  |
| J. Additional Descriptions for Materials Listed Above<br>0040  |  |  | K. Handling Codes for Wastes Listed Above<br>Gallons 2 Cubic Yards |              |  |  |
| 15. Special Handling Instructions and Additional Information<br>Emergency Response Phone Number<br>708-222-3892 Fred Nelson 7:00 - 3:30 PM ERG#74  |  |  |  |              |  |  |
| 16. GENERATOR'S CERTIFICATION: I hereby declare that the contents of this consignment are fully and accurately described above by proper shipping name and are classified, packed, marked, and labeled, and are in all respects in proper condition for transport by highway according to applicable international and national government regulations.<br>If I am a large quantity generator, I certify that I have a program in place to reduce the volume and toxicity of waste generated to the degree I have determined to be economically practicable and that I have selected the practicable method of treatment, storage, or disposal currently available to me which minimizes the present and future threat to human health and the environment; OR, if I am a small quantity generator, I have made a good faith effort to minimize my waste generation and select the best waste management method that is available to me and that I can afford. |  |  |  |              |  |  |
| Printed/Typed Name<br>Bill Amann   |  |  | Signature<br>Bill Amann  |              | Date<br>Month Day Year<br>11 17 92   |  |
| 17. Transporter 1 Acknowledgement of Receipt of Materials  |  |  | Printed/Typed Name<br>JUD L INCADELLO                              |              | Signature<br>Jud Incadella   |  |
| 18. Transporter 2 Acknowledgement of Receipt of Materials  |  |  | Printed/Typed Name   |              | Signature  |  |
| 19. Discrepancy Indication Space   |  |  |  |              |  |  |
| 20. Facility Owner or Operator: Certification of receipt of hazardous materials covered by this manifest except as noted in item 19.   |  |  | Printed/Typed Name<br>STEVEN A. BANASIAK                           |              | Signature<br>S Banasiak  |  |
|  |  |  |  |              | Date<br>Month Day Year<br>11 19 92   |  |